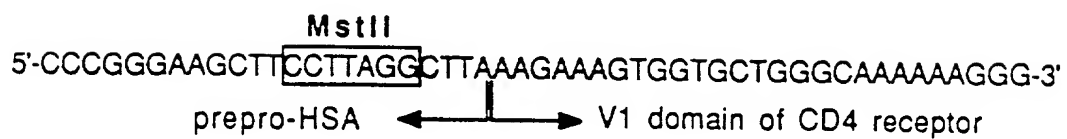


OLIGODEOXYNUCLEOTIDE Xol26



OLIGODEOXYNUCLEOTIDE Xol27

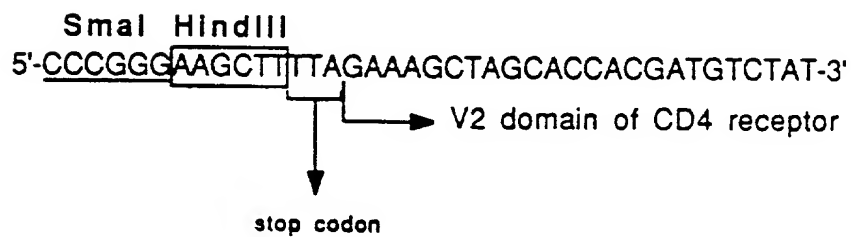


Figure 1

20250303 10:44:00

MstII  
 CCTTAGGCTTAAAGAAAGTGGTGTGGGCAAAAAGGGGATACAGTGGAAGTACCTGTACAGCTTCCCAGAAGA  
 01            11            21            31            41            51            61            71  
  
 AGAGCATACAATTCCACTGGAAAACTCCAACCAGATAAAGATTCTGGGAAATCAGGGCTCCTTCTTAAGTAAAG  
 76            86            96            106            116            126            136            146  
  
 GTCCATCCAAGCTGAATGATCGCGCTGACTCAAGAAGAAGCCTTTGGGACCAAGGAAACTTCCCCCTGATCATCA  
 151            161            171            181            191            201            211            221  
  
 AGAATCTTAAGATAGAAGACTCAGATACTTACATCTGTGAAGTGGAGGACCAGAAGGAGGAGGTGCAATTGCTAG  
 226            236            246            256            266            276            286            296  
  
 TGTTTCGGATTGACTGCCAACTCTGACACCCACCTGCTTCAGGGGCAGAGCCTGACCCTGACCTTGGAGAGCCCCC  
 301            311            321            331            341            351            361            371  
  
 CTGGTAGTAGCCCCCTCAGTGCAATGTAGGAGTCCAAGGGGTAAAAACATACAGGGGGGAAGACCCTCTCCGTGT  
 376            386            396            406            416            426            436            446  
  
 CTCAGCTGGAGCTCCAGGATAGTGGCACCTGGACATGCACTGTCTTGCAGAACCAGAAGAAGGTGGAGTTCAAAA  
 451            461            471            481            491            501            511            521  
  
HindIII    SmaI  
 TAGACATCGTGGTGCTAGCTTTCTAAAAGCTTCCCGGG  
 526            536            546            556

Figure 2

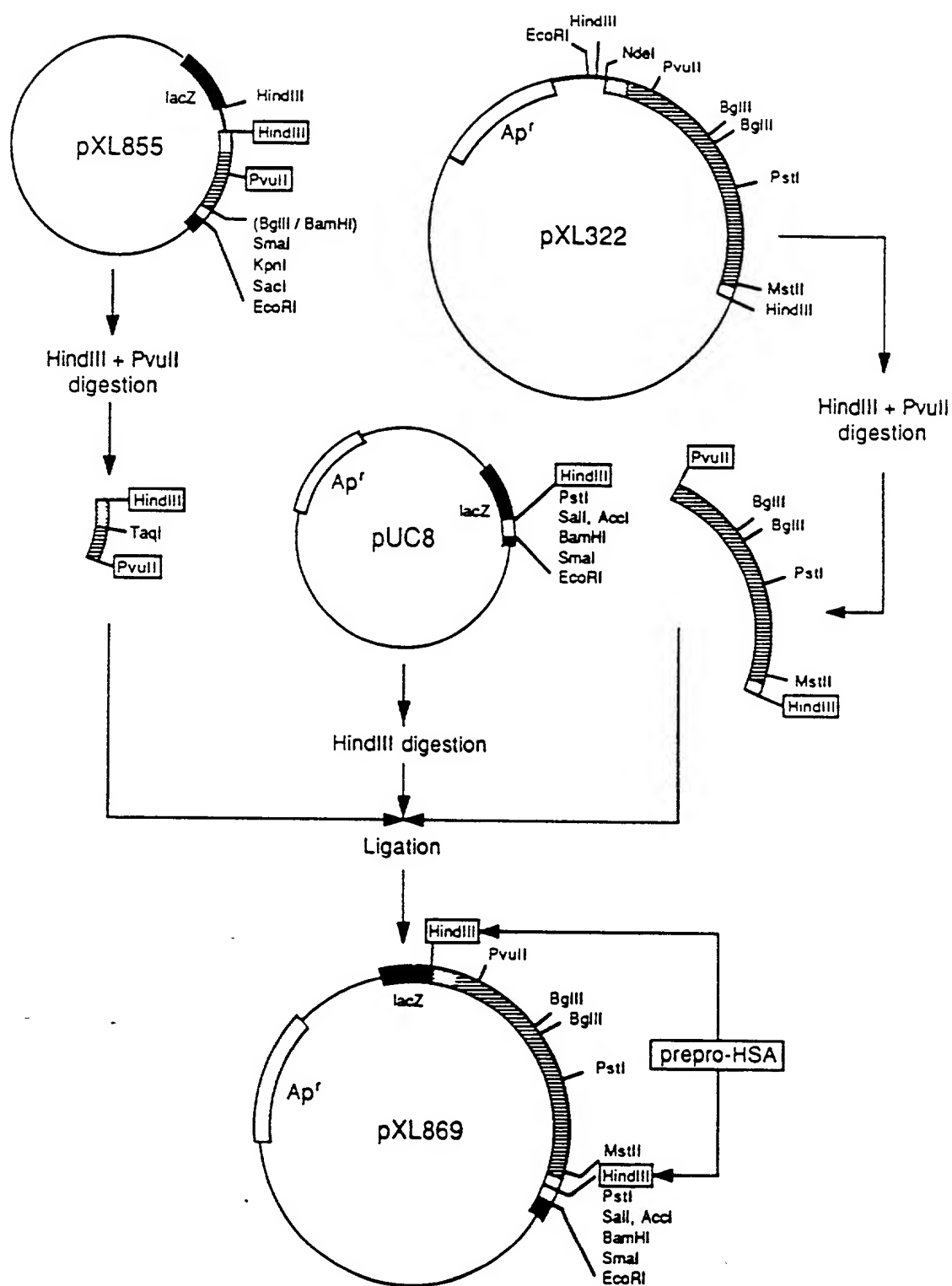


Figure 3

20250404 10:34:00

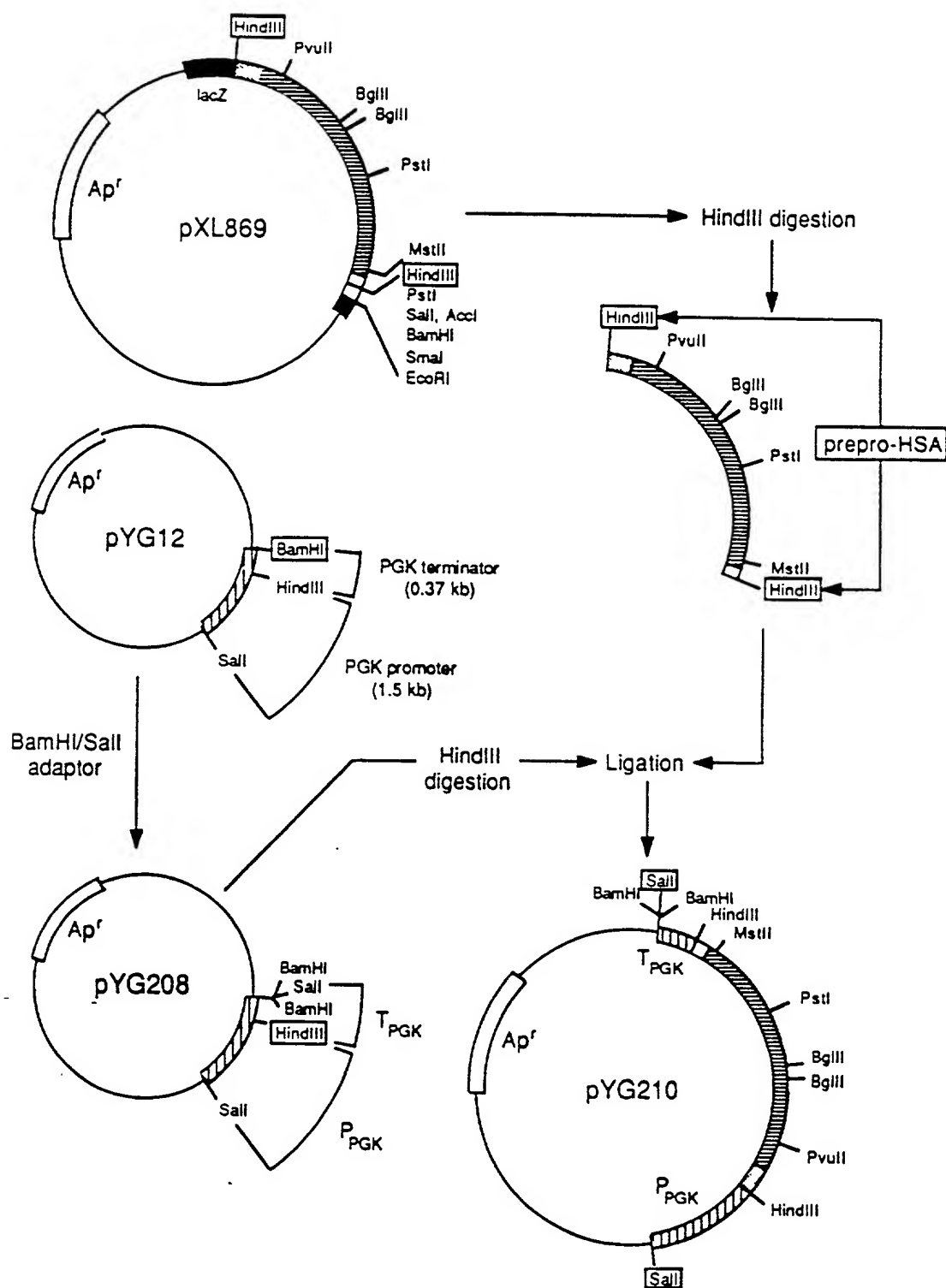


Figure 4

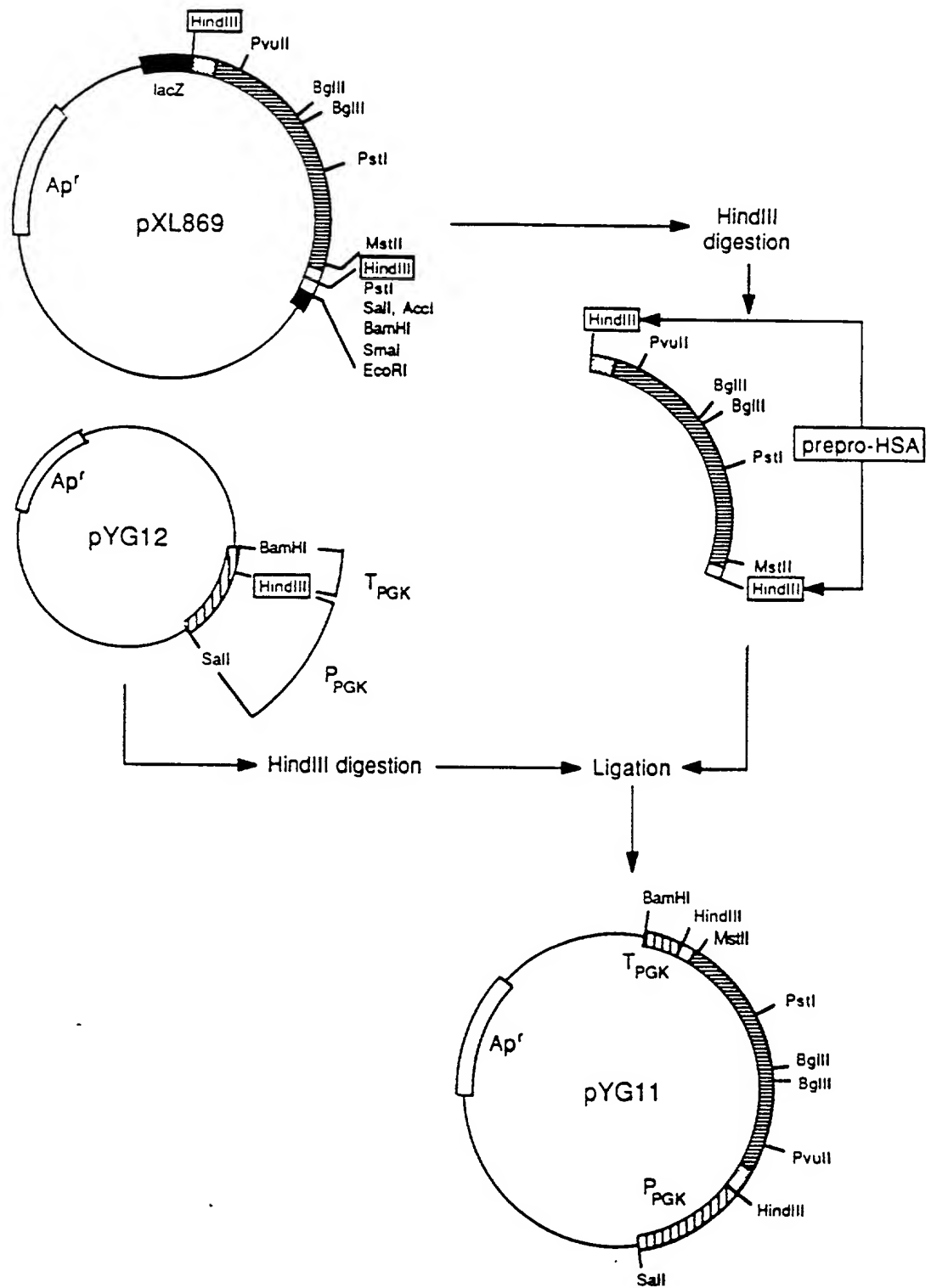


Figure 5

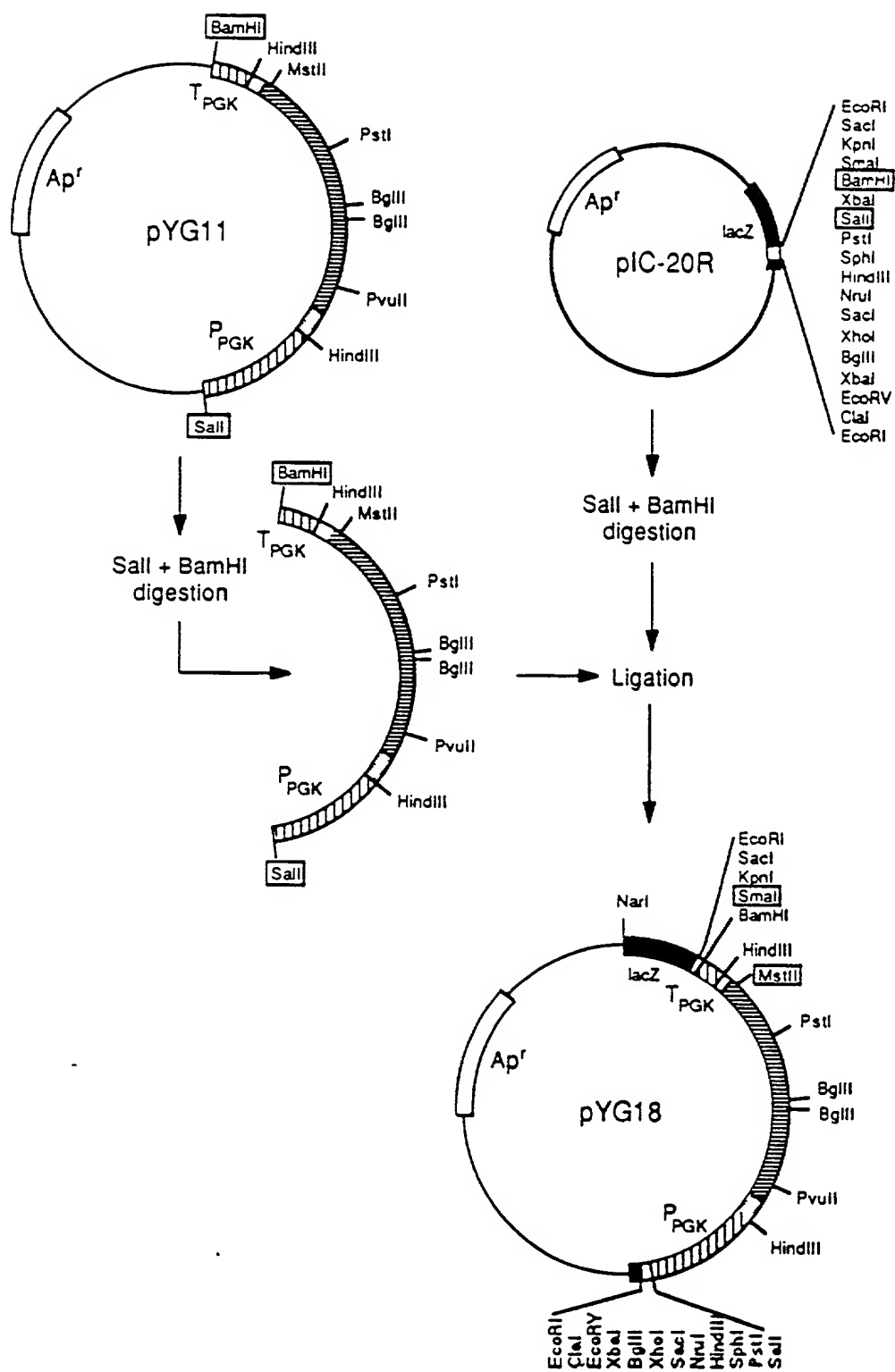


Figure 6

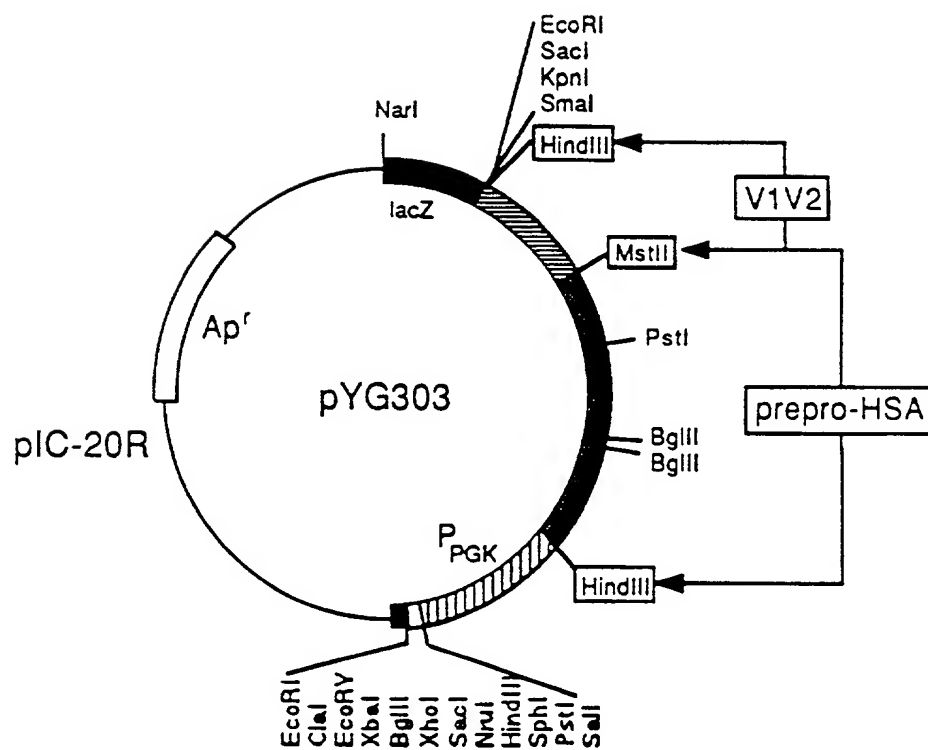


Figure 7

MetLysTrpValThrPheIleSerLeuLeuPheLeuPheSerSerAlaTyrSerArgGlyValPheArg  
 AAGCTTATGAAGTGGGTAACTTTATTTCCTTCTTTTCTCTTTAGCTCGGCTATTCCAGGGGTGTGTTTCGT  
 1 11 21 31 41 51 61 71  
 ArgAspAlaHisLysSerGluValAlaHisArgPheLysAspLeuGlyGluGluAsnPheLysAlaLeuValLeu  
 CGAGATGCACACAAGAGTGAGGTTGCTCATCGGTTTAAAGATTGGGAGAAGAAAATTTCAAAGCCTTGSTGTG  
 76 86 96 106 116 126 136 146  
 IleAlaPheAlaGlnTyrLeuGlnGlnCysProPheGluAspHisValLysLeuValAsnGluValThrGluPhe  
 ATTGCCTTTGCTCAGTATCTTCAGCAGTGTCCATTGAAGATCATGTAAAATTAGTGAATGAAGTAACTGAATTT  
 151 161 171 181 191 201 211 221  
 AlaLysThrCysValAlaAspGluSerAlaGluAsnCysAspLysSerLeuHisThrLeuPheGlyAspLysLeu  
 GCAAAAACATGTGTTGCTGATGAGTCAGCTGAAAATTGTGACAAATCACTTCATACCCTTTTTTGAGACAAATTA  
 226 236 246 256 266 276 286 296  
 CysThrValAlaThrLeuArgGluThrTyrGlyGluMetAlaAspCysCysAlaLysGlnGluProGluArgAsn  
 TGCACAGTTGCAACTCTTCGTGAAACCTATGGTGAAATGGCTGACTGCTGTGCAAAACAAGAACCTGAGAGAAAT  
 301 311 321 331 341 351 361 371  
 GluCysPheLeuGlnHisLysAspAspAsnProAsnLeuProArgLeuValArgProGluValAspValMetCys  
 GAATGCTTCTTGCAACACAAAGATGACAACCCAAACCTCCCCGATTGGTGAGACCAGAGGTTGATGTGATGTGC  
 376 386 396 406 416 426 436 446  
 ThrAlaPheHisAspAsnGluGluThrPheLeuLysLysTyrLeuTyrGluIleAlaArgArgHisProTyrPhe  
 ACTGCTTTTCATGACAATGAAGAGACATTTTGA AAAAATACTTATATGAAATTGCCAGAAGACATCCTTACTTT  
 451 461 471 481 491 501 511 521  
 TyrAlaProGluLeuLeuPhePheAlaLysArgTyrLysAlaAlaPheThrGluCysCysGlnAlaAlaAspLys  
 TATGCCCCGGAACCTCTTTCTTTGCTAAAAGGTATAAAGCTGCTTTTACAGAATGTTGCCAAGCTGCTGATAAA  
 526 536 546 556 566 576 586 596  
 AlaAlaCysLeuLeuProLysLeuAspGluLeuArgAspGluGlyLysAlaSerSerAlaLysGlnArgLeuLys  
 GCTGCCTGCCTGTTGCCAAAGCTCGATGAACCTCGGGATGAAGGGAAGGCTTCGCTGCCAAACAGAGACTCAAG  
 601 611 621 631 641 651 661 671  
 CysAlaSerLeuGlnLysPheGlyGluArgAlaPheLysAlaTrpAlaValAlaArgLeuSerGlnArgPhePro  
 TGTGCCAGTCTCCAAAATTTGGAGAAAGAGCTTTCAAAGCATGGGCAGTAGCTCGCTGAGCCAGAGATTTCCC  
 676 686 696 706 716 726 736 746  
 LysAlaGluPheAlaGluValSerLysLeuValThrAspLeuThrLysValHisThrGluCysCysHisGlyAsp  
 AAAGCTGAGTTTGCAGAAGTTTCCAAGTTAGTGACAGATCTTACCAAAGTCCACACGGAATGCTGCCATGGAGAT  
 751 761 771 781 791 801 811 821  
 LeuLeuGluCysAlaAspAspArgAlaAspLeuAlaLysTyrIleCysGluAsnGlnAspSerIleSerSerLys  
 CTGCTTGAATGTGCTGATGACAGGGCGGACCTTGCCAAGTATATCTGTGAAAATCAAGATTTCGATCTCCAGTAAA  
 826 836 846 856 866 876 886 896  
 LeuLysGluCysCysGluLysProLeuLeuGluLysSerHisCysIleAlaGluValGluAsnAspGluMetPro  
 CTGAAGGAATGTGTGAAAAACCTCTGTTGGAAAAATCCCACTGCATTGCCAAGTGGAAAAATGATGAGATGCCT  
 901 911 921 931 941 951 961 971  
 AlaAspLeuProSerLeuAlaAlaAspPheValGluSerLysAspValCysLysAsnTyrAlaGluAlaLysAsp  
 GCTGACTTGCCTTCATTAGCTGCTGATTTTGTGAAAGTAAGGATGTTTGCAAAAATATGCTGAGGCAAAGGAT  
 976 986 996 1006 1016 1026 1036 1046

Figure 8A



ValPheLeuGlyMetPheLeuTyrGluTyrAlaArgArgHisProAspTyrSerValValLeuLeuLeuArgLeu  
 GTCTTCCTGGGCATGTTTTGTATGAATATGCAAGAAGGCATCCTGATTACTCTGTCGTAAGTCTGCTGAGACTT  
 1051      1061      1071      1081      1091      1101      1111      1121

AlaLysThrTyrGluThrThrLeuGluLysCysCysAlaAlaAlaAspProHisGluCysTyrAlaLysValPhe  
 GCCAAGACATATGAAACCACTCTAGAGAAGTGTGTGCCGCTGCAGATCCTCATGAATGCTATGCCAAAGTGTTC  
 1126      1136      1146      1156      1166      1176      1186      1196

AspGluPheLysProLeuValGluGluProGlnAsnLeuIleLysGlnAsnCysGluLeuPheGluGlnLeuGly  
 GATGAATTTAAACCTCTTGTGGAAGAGCCTCAGAATTTAATCAAACAAATTGTGAGCTTTTTGAGCAGCTTGGG  
 1201      1211      1221      1231      1241      1251      1261      1271

GluTyrLysPheGlnAsnAlaLeuLeuValArgTyrThrLysLysValProGlnValSerThrProThrLeuVal  
 GAGTACAAATTCCAGAATGCGCTATTAGTTCGTTACACCAAGAAAGTACCCCAAGTGTCAACTCCAACCTCTGTA  
 1276      1286      1296      1306      1316      1326      1336      1346

GluValSerArgAsnLeuGlyLysValGlySerLysCysCysLysHisProGluAlaLysArgMetProCysAla  
 GAGGTCTCAAGAAACCTAGGAAAAGTGGGCAGCAATGTTGTAAACATCCTGAAGCAAAAAGAAATGCCCTGTGCA  
 1351      1361      1371      1381      1391      1401      1411      1421

GluAspTyrLeuSerValValLeuAsnGlnLeuCysValLeuHisGluLysThrProValSerAspArgValThr  
 GAAGACTATCTATCCGTGGTCCTGAACCAGTTATGTGTGTTGCATGAGAAAACGCCAGTAAGTGACAGAGTCACC  
 1426      1436      1446      1456      1466      1476      1486      1496

LysCysCysThrGluSerLeuValAsnArgArgProCysPheSerAlaLeuGluValAspGluThrTyrValPro  
 AAATGCTGCACAGAATCCTTGGTGAACAGGCGACCATGCTTTTCAGCTCTGGAAGTCGATGAAACATACGTTCCC  
 1501      1511      1521      1531      1541      1551      1561      1571

LysGluPheAsnAlaGluThrPheThrPheHisAlaAspIleCysThrLeuSerGluLysGluArgGlnIleLys  
 AAAGAGTTTAATGCTGAAACATTCACCTTCCATGCAGATATATGCACACTTTCTGAGAAGGAGAGACAAATCAAG  
 1576      1586      1596      1606      1616      1626      1636      1646

LysGlnThrAlaLeuValGluLeuValLysHisLysProLysAlaThrLysGluGlnLeuLysAlaValMetAsp  
 AAACAACTGCACCTTGTGAGCTTGTGAAACACAAGCCCAAGCAACAAAGAGCAACTGAAAGCTGTTATGGAT  
 1651      1661      1671      1681      1691      1701      1711      1721

AspPheAlaAlaPheValGluLysCysCysLysAlaAspAspLysGluThrCysPheAlaGluGluGlyLysLys  
 GATTTTCGAGCTTTTGTAGAGAAGTGTGCAAGGCTGACGATAAGGAGACCTGCTTTGCCGAGGGGTAAAAA  
 1726      1736      1746      1756      1766      1776      1786      1796

LeuValAlaAlaSerGlnAlaAlaLeuGlyLeuLysLysValValLeuGlyLysLysGlyAspThrValGluLeu  
 CTTGTTGTGCAAGTCAAGCTGCCTTAGGCTTAAAGAAAGTGGTGTGGGCAAAAAGGGGATACAGTGGAACTG  
 1801      1811      1821      1831      1841      1851      1861      1871

ThrCysThrAlaSerGlnLysLysSerIleGlnPheHisTrpLysAsnSerAsnGlnIleLysIleLeuGlyAsn  
 ACCTGTACAGCTTCCAGAGAAGAGCATACAATTCCACTGGAAAACTCCAACCAGATAAAGATTCTGGGAAAT  
 1876      1886      1896      1906      1916      1926      1936      1946

GlnGlySerPheLeuThrLysGlyProSerLysLeuAsnAspArgAlaAspSerArgArgSerLeuTrpAspGln  
 CAGGGCTCCTTCTTAACATAAGGTCCATCCAAGCTGAATGATCGCGCTGACTCAAGAAGAAGCCTTTGGGACCAA  
 1951      1961      1971      1981      1991      2001      2011      2021

GlyAsnPheProLeuIleIleLysAsnLeuLysIleGluAspSerAspThrTyrIleCysGluValGluAspGln  
 GGAAACTTCCCCCTGATCATCAAGAATCTTAAGATAGAAGACTCAGATACTTACATCTGTGAAGTGGAGGACCAG  
 2026      2036      2046      2056      2066      2076      2086      2096

LysGluGluValGlnLeuLeuValPheGlyLeuThrAlaAsnSerAspThrHisLeuLeuGlnGlyGlnSerLeu  
 AAGGAGGAGGTGCAATTGCTAGTGTTCGGATTGACTGCCAACTCTGACACCCACCTGCTTCAGGGGCAGAGCCTG  
 2101      2111      2121      2131      2141      2151      2161      2171

Figure 8B

Figure 8C

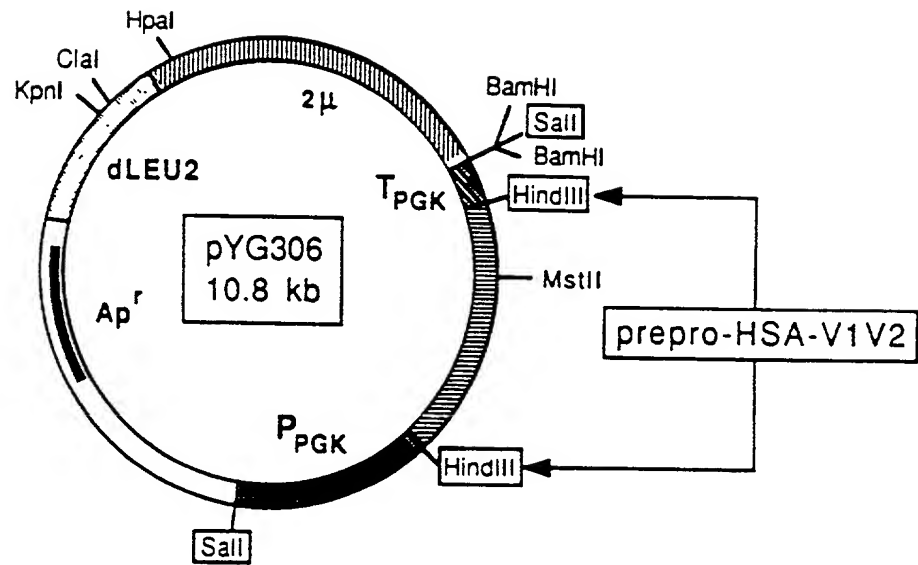


Figure 9

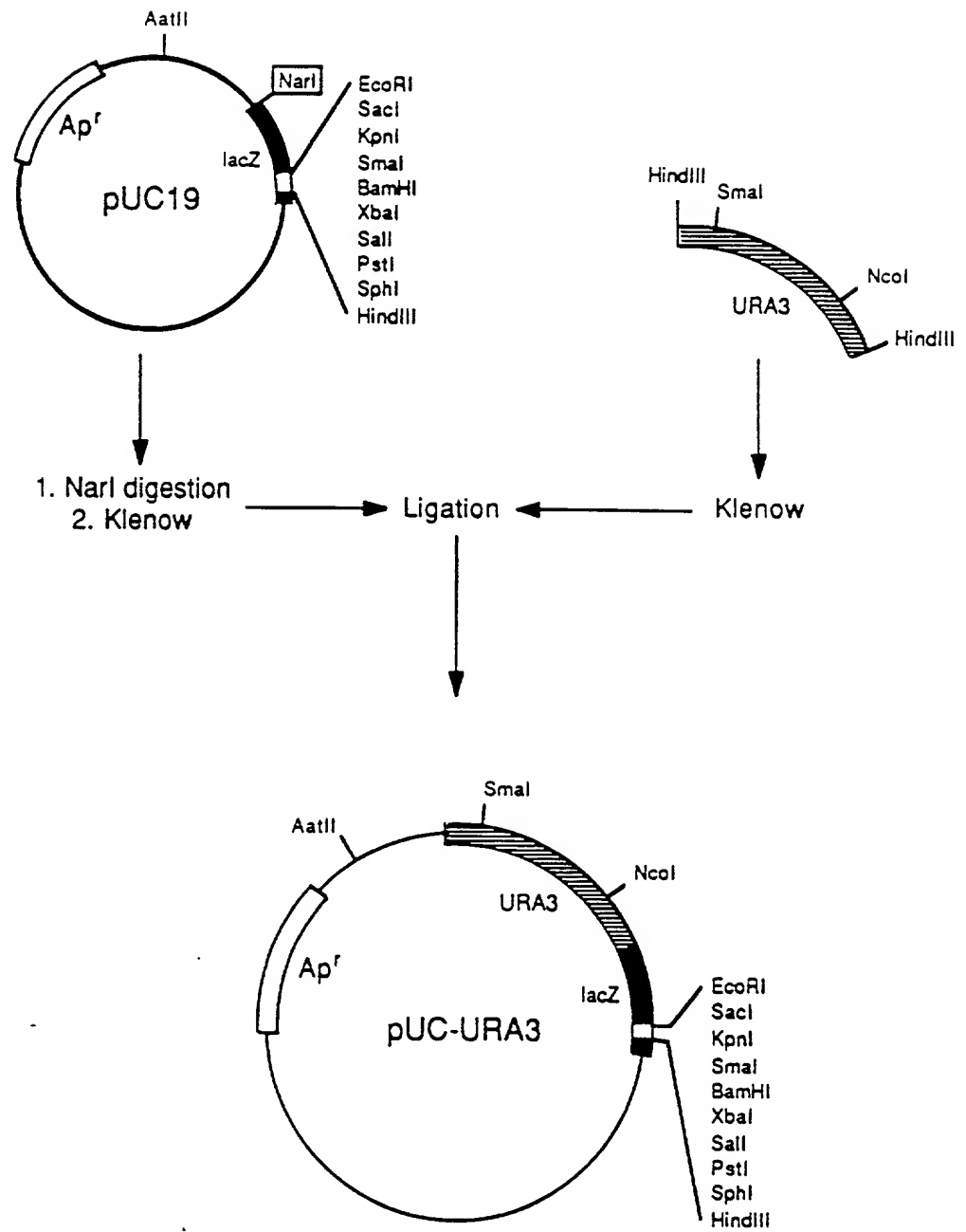


Figure 10

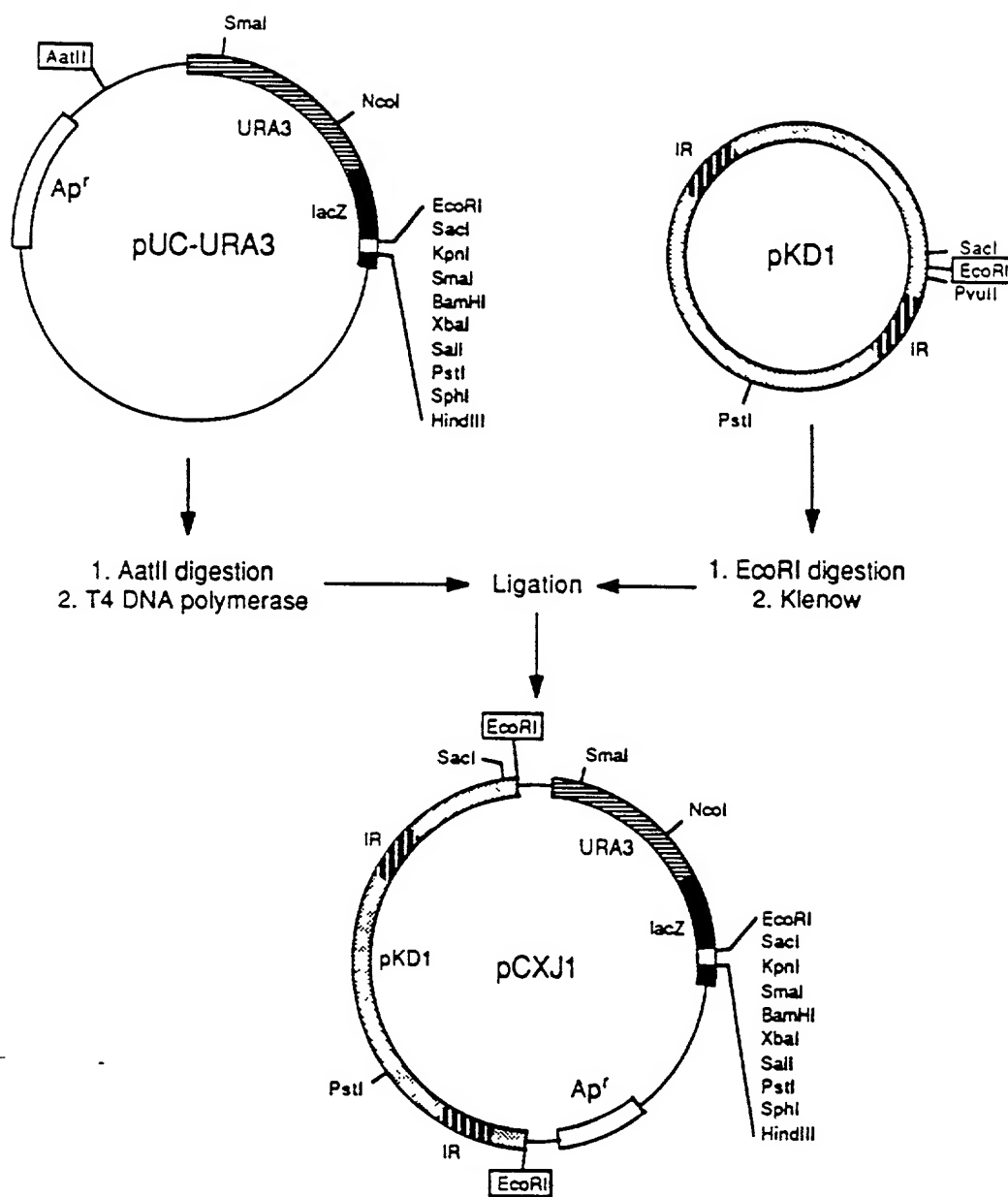


Figure 11

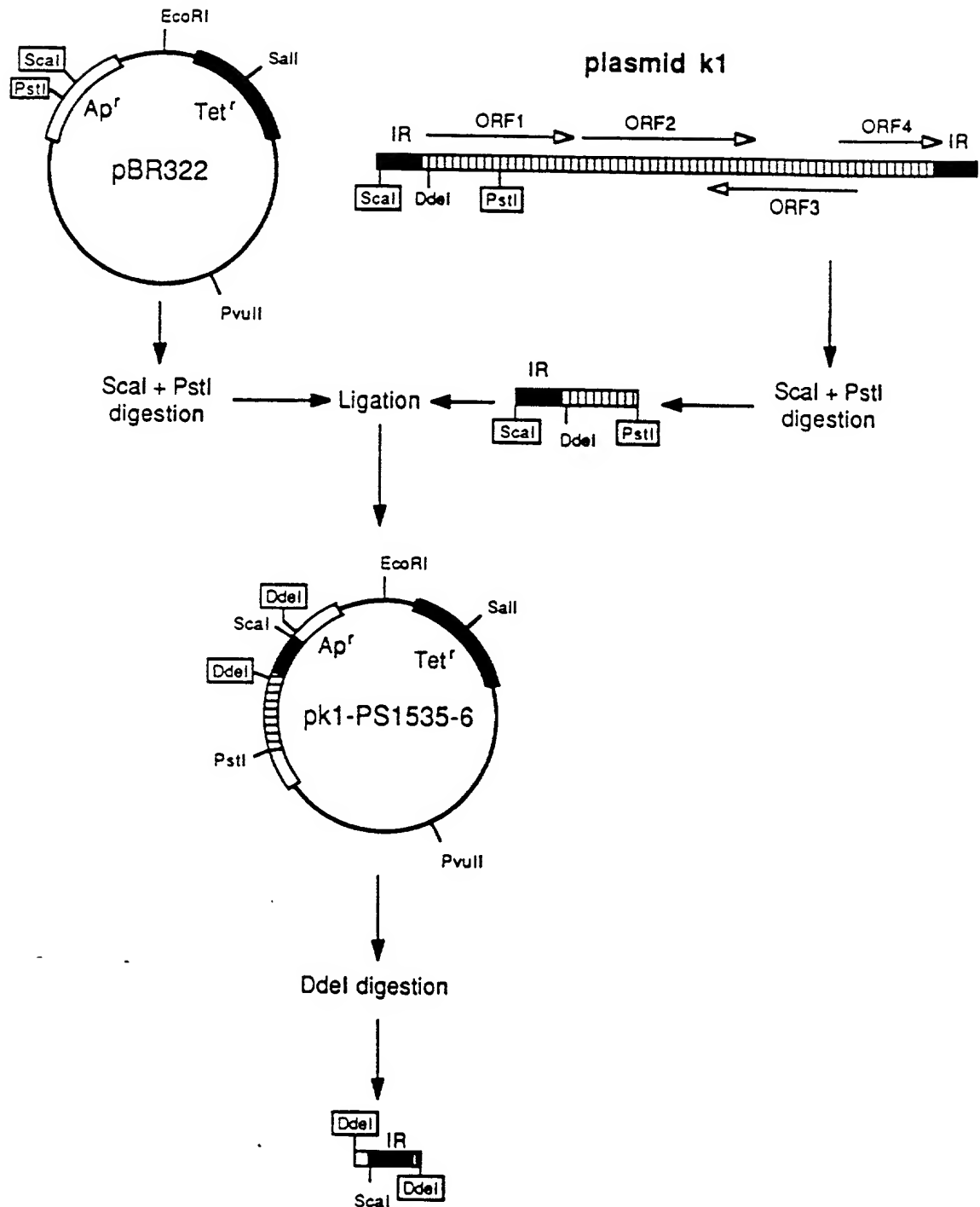


Figure 12

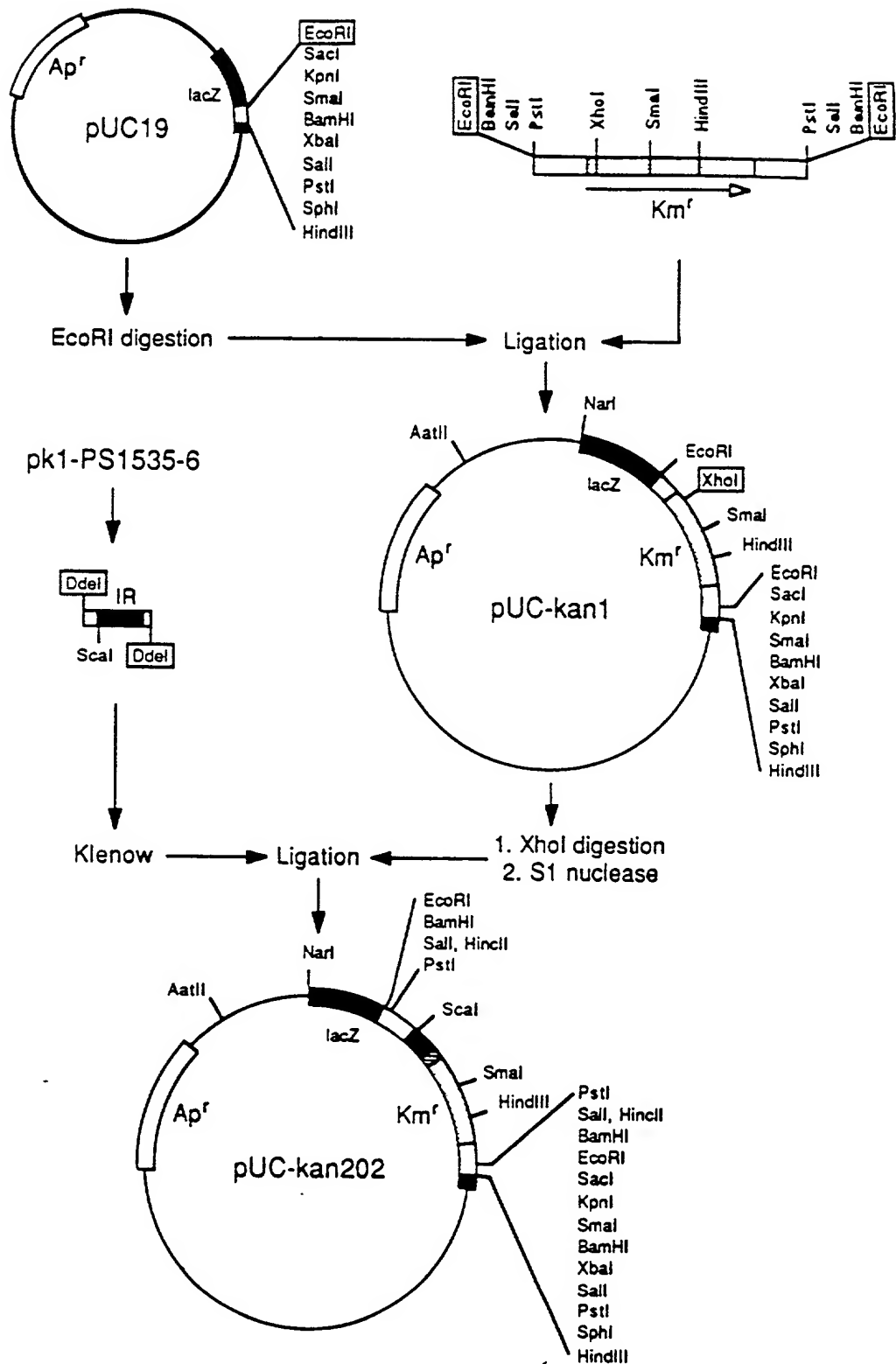


Figure 13

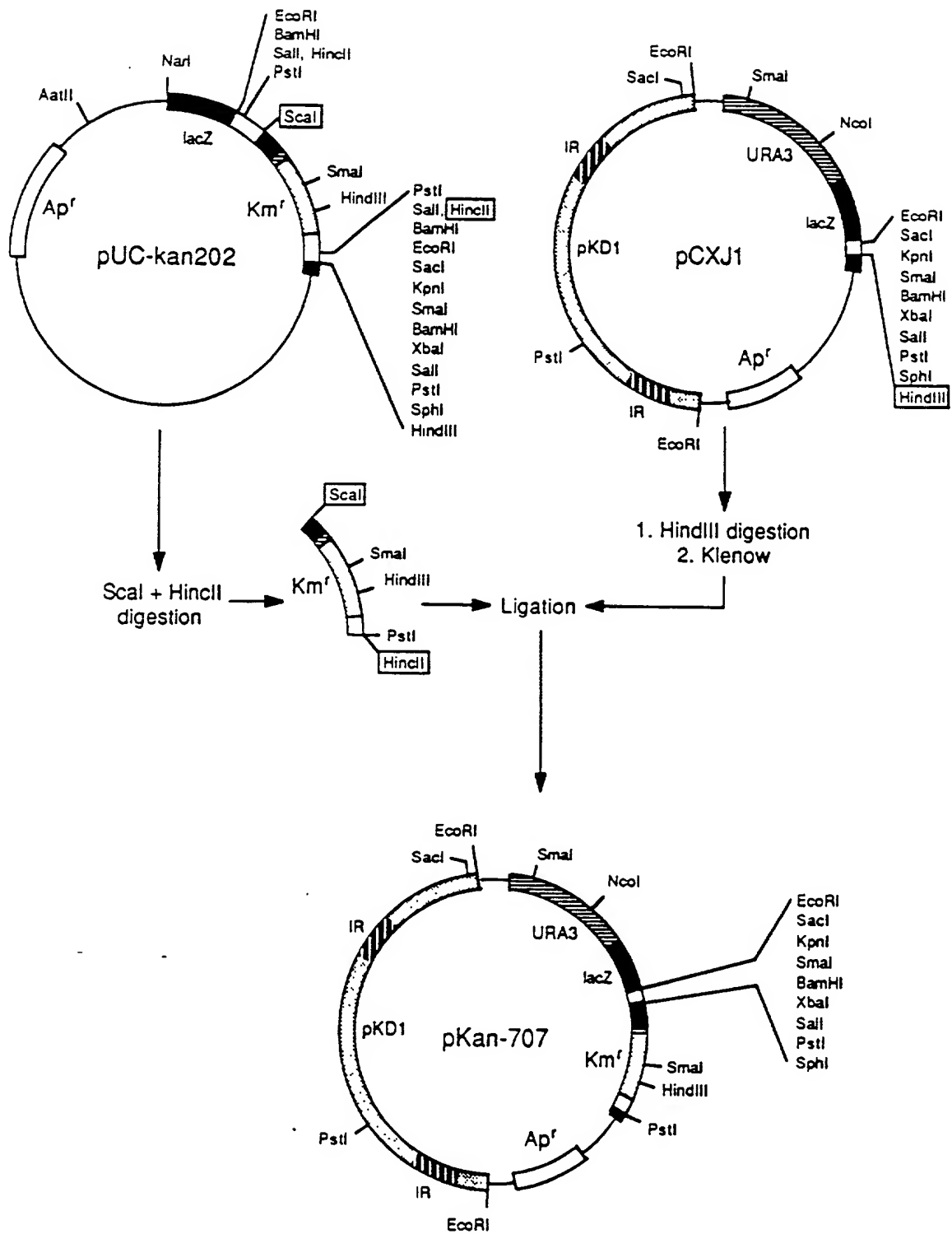


Figure 14



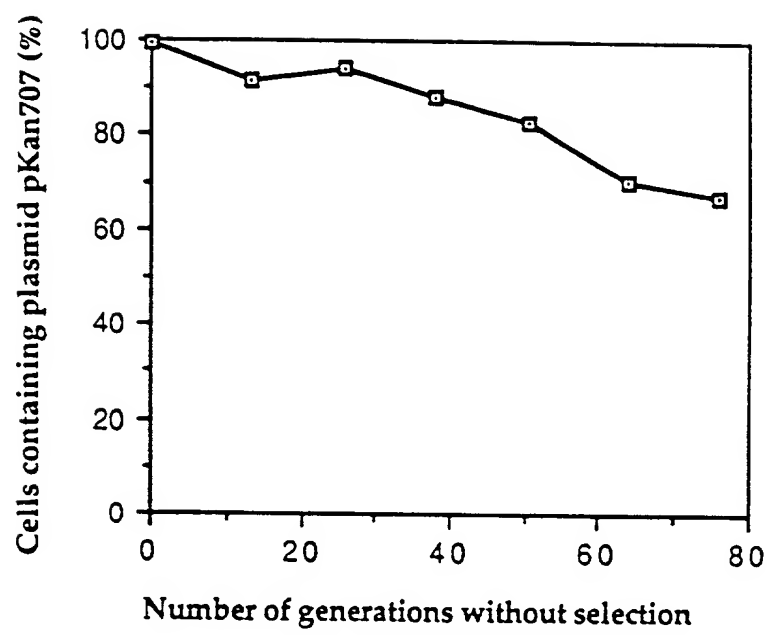


Figure 15

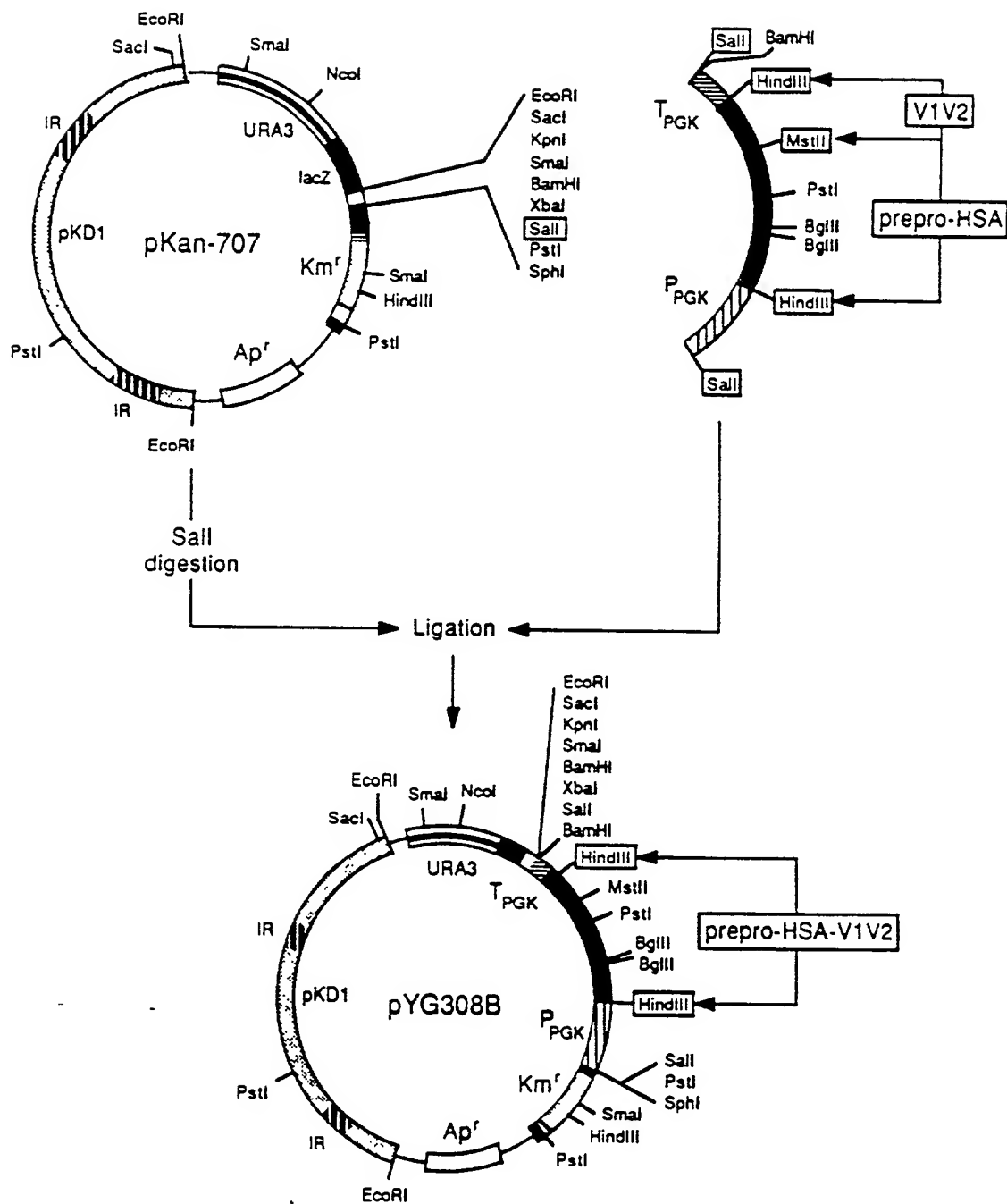


Figure 16

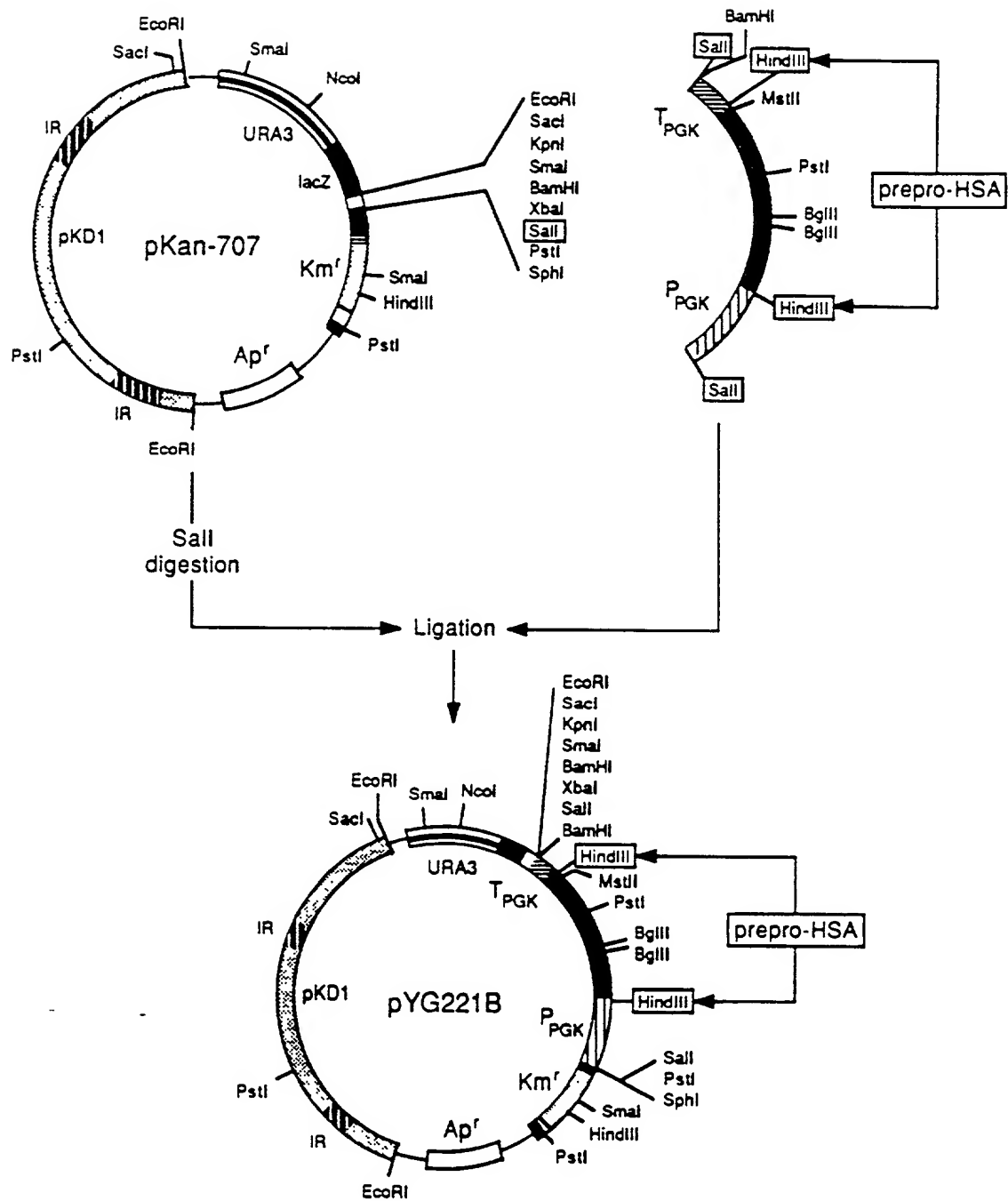
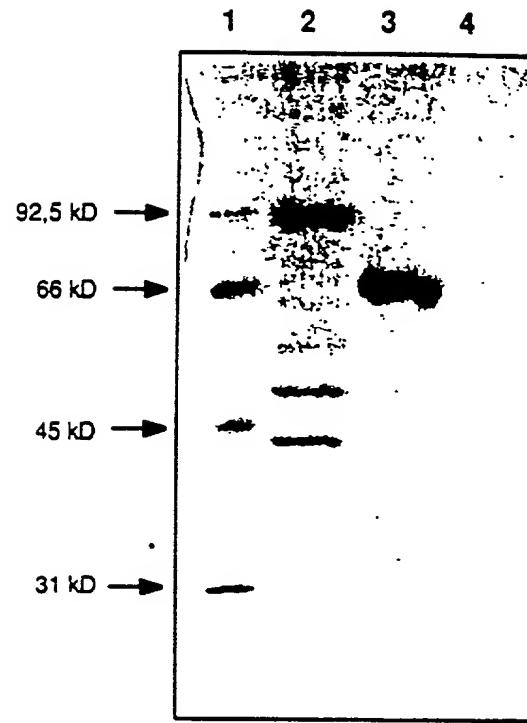
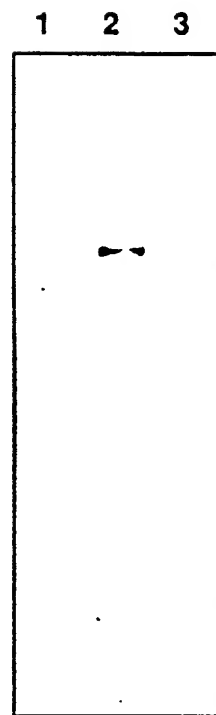


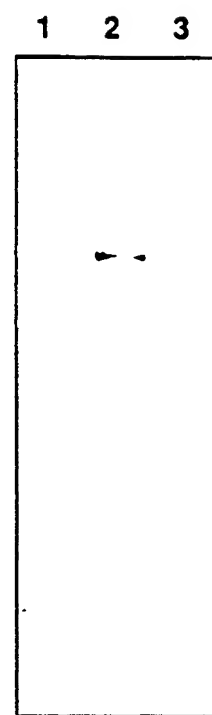
Figure 17



A



B



C

Figure 18

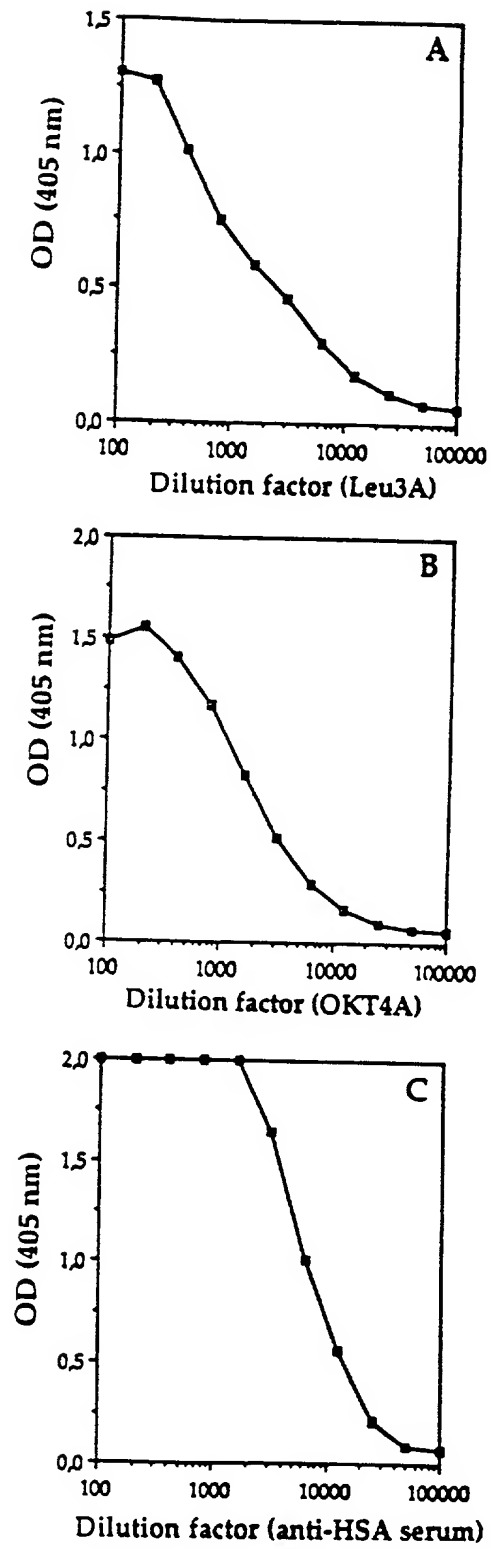


Figure 19

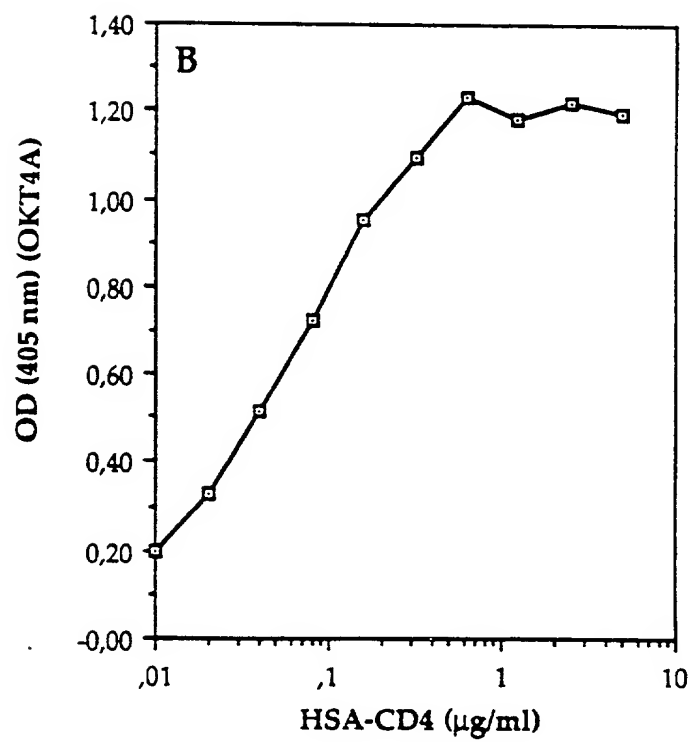
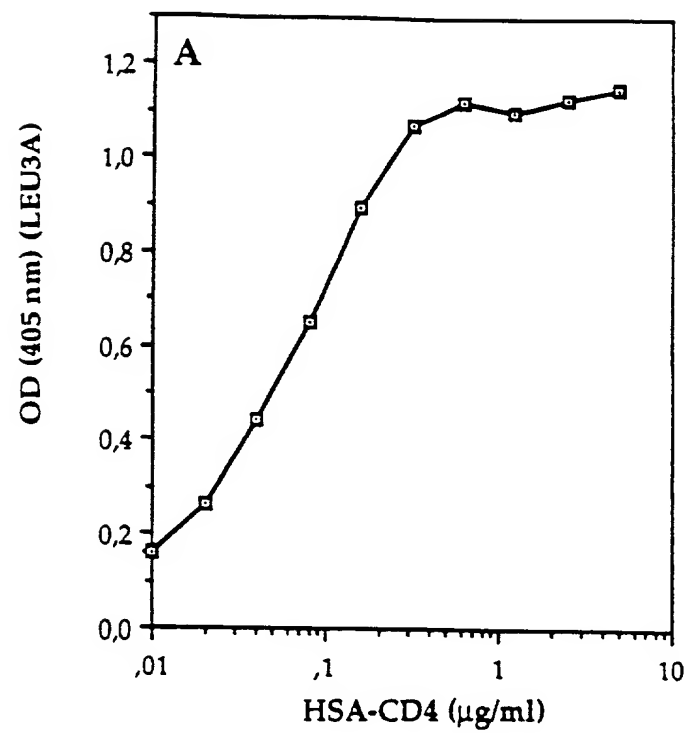


Figure 20

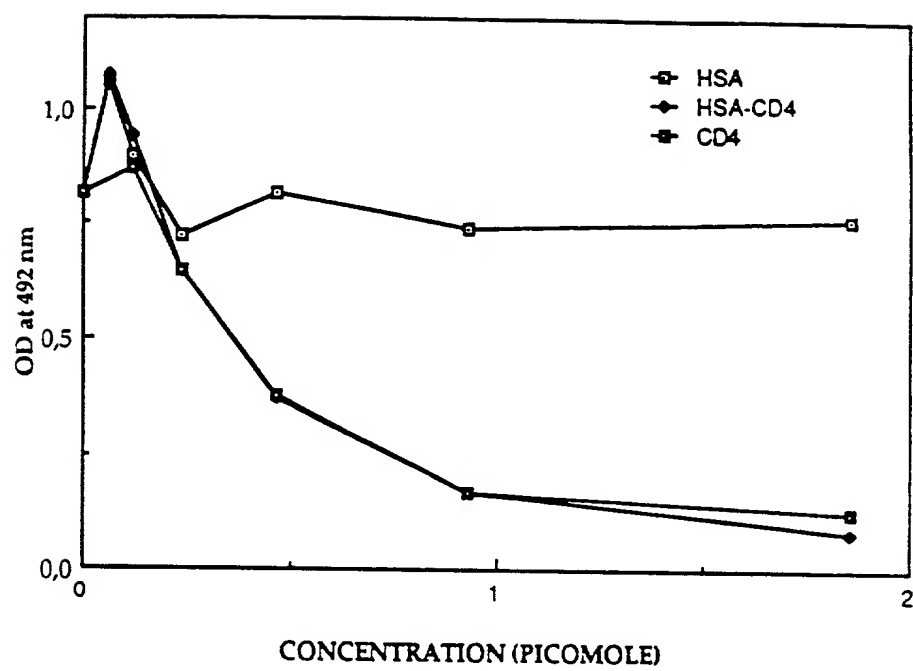


Figure 21

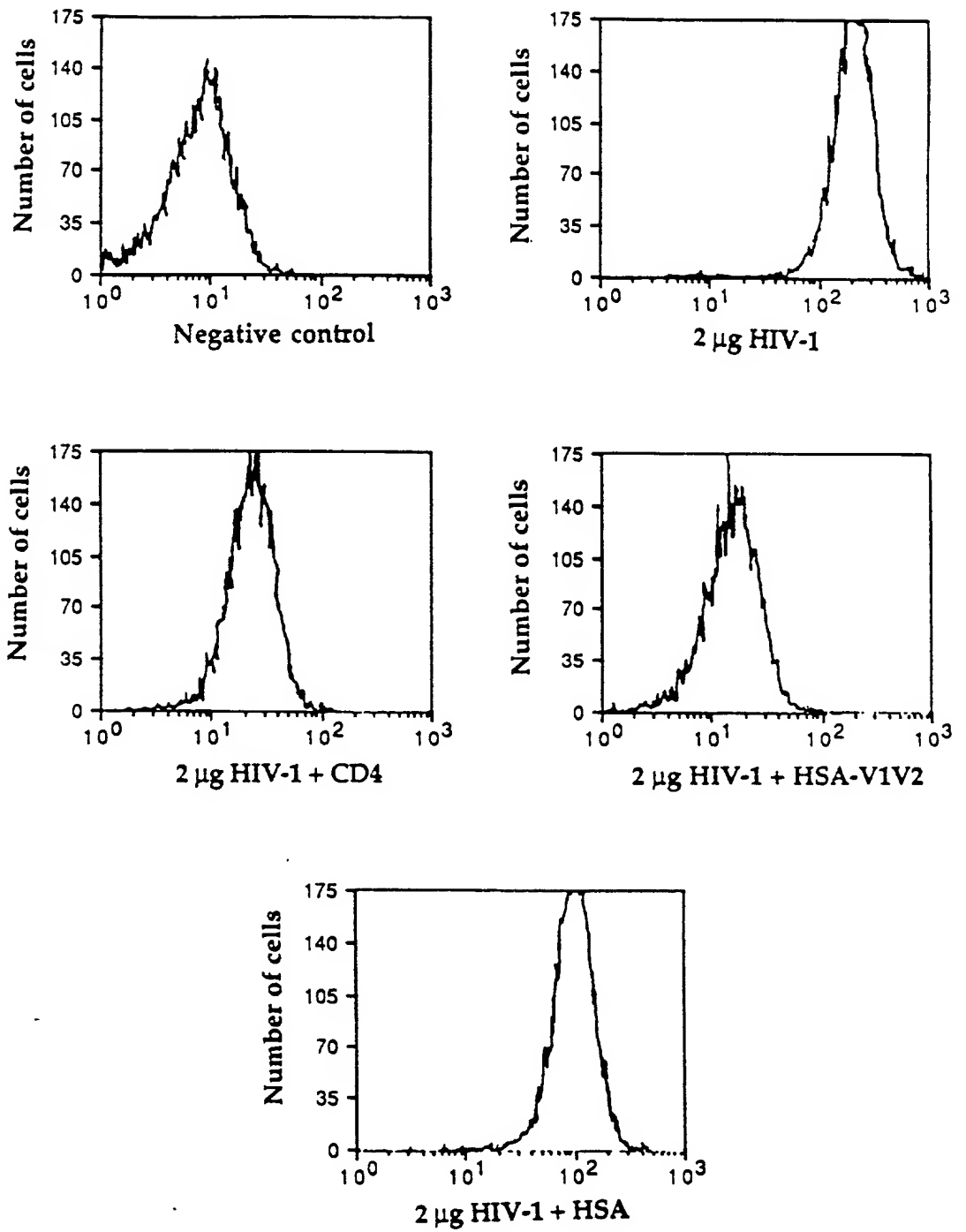


Figure 22A



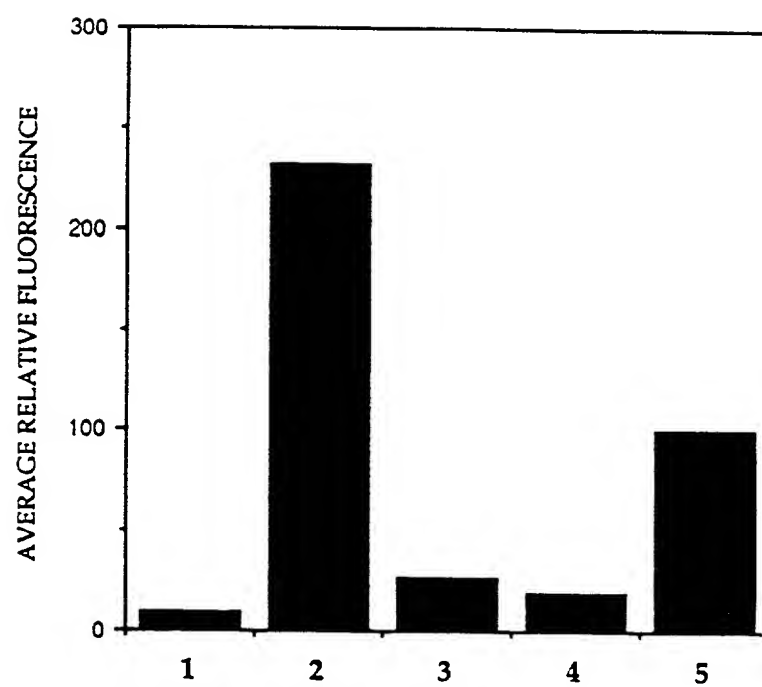


Figure 22B

# INHIBITION OF INFECTION

concentrations in micrograms/ml

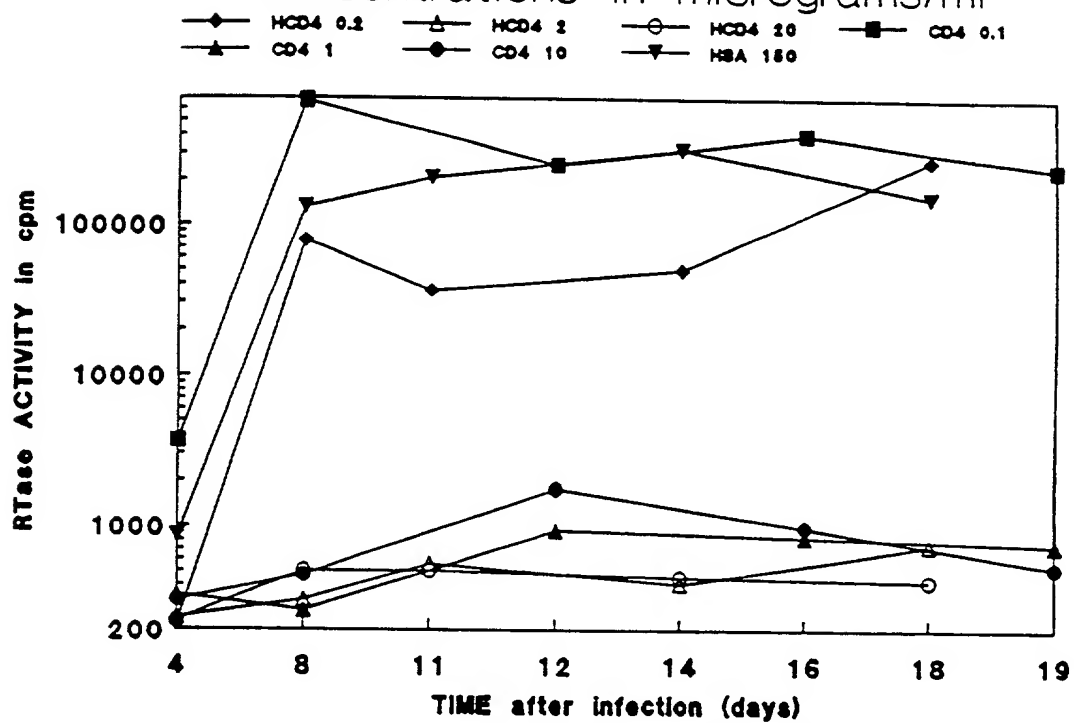


Figure 23

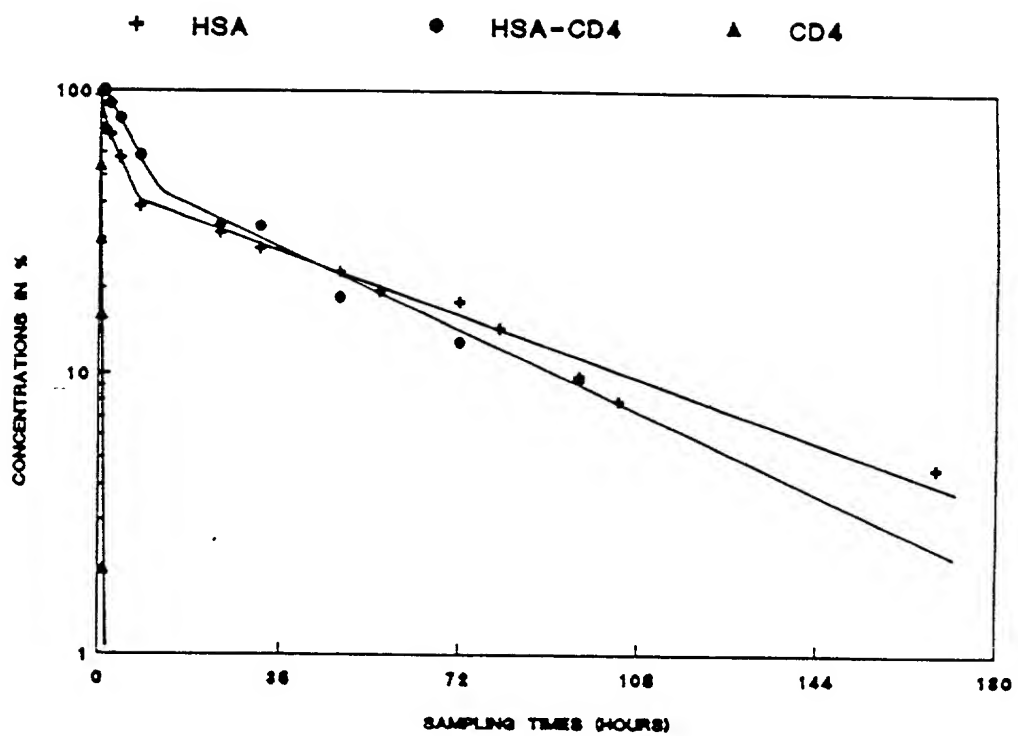


Figure 24

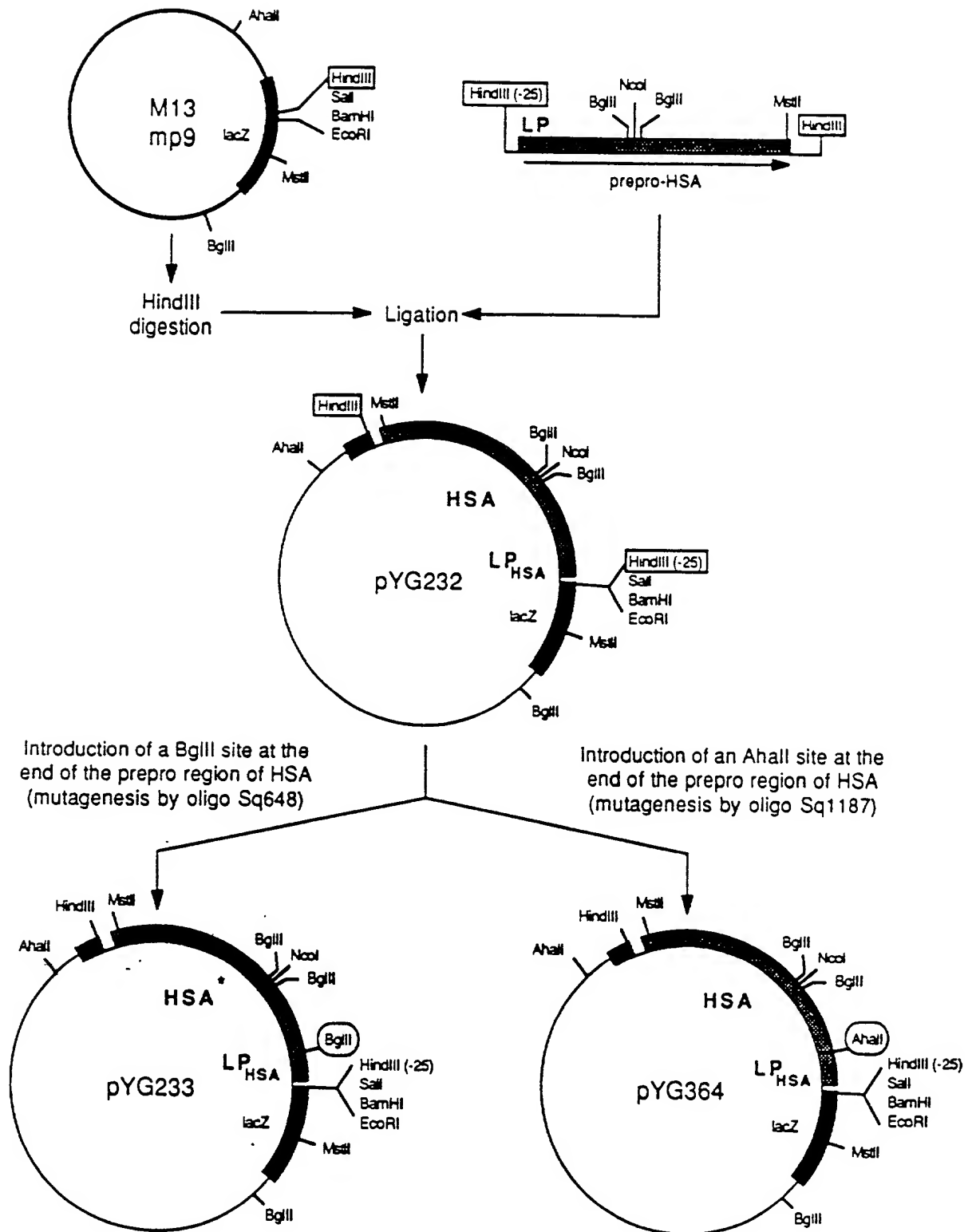


Figure 25

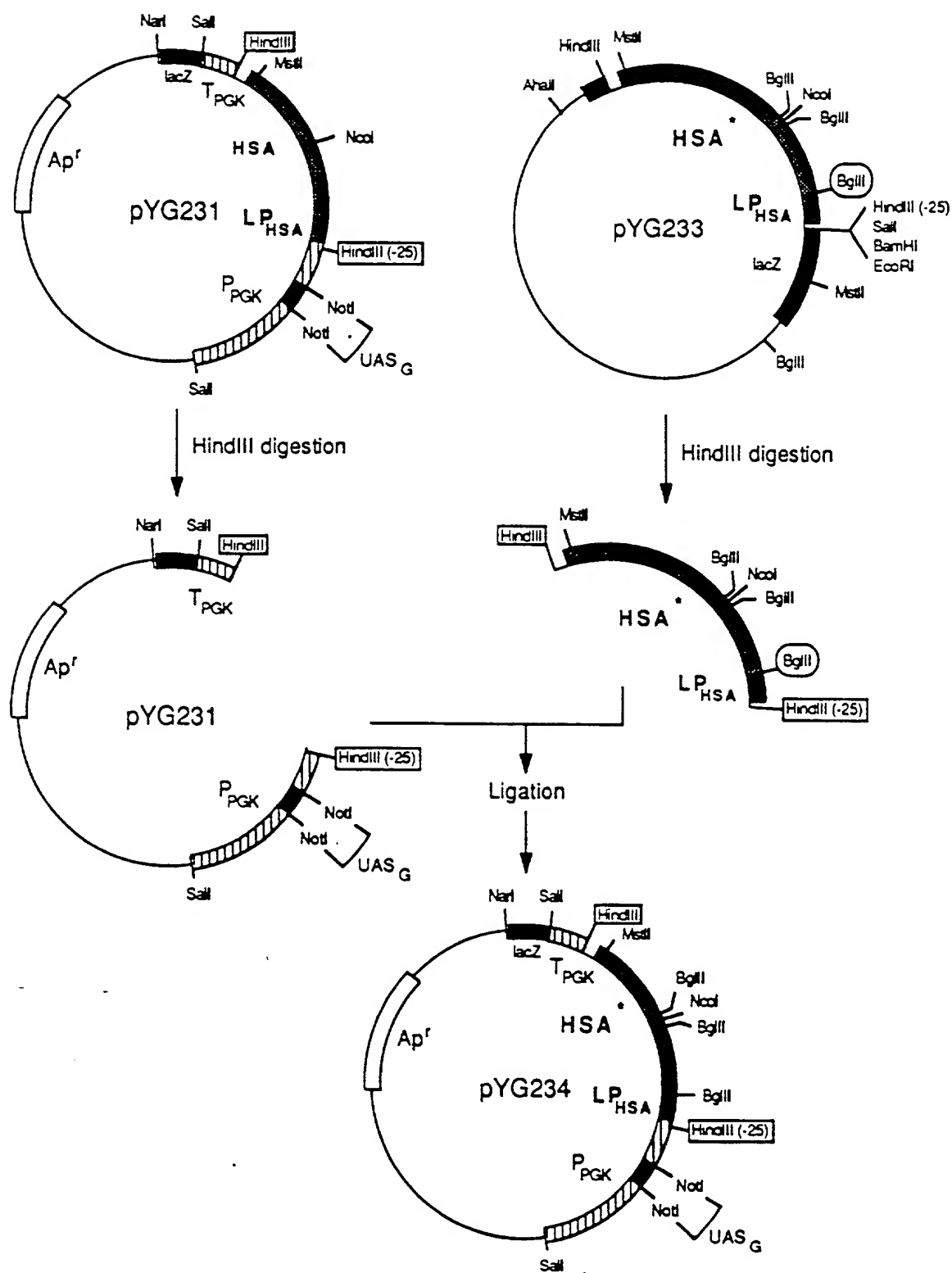


Figure 26

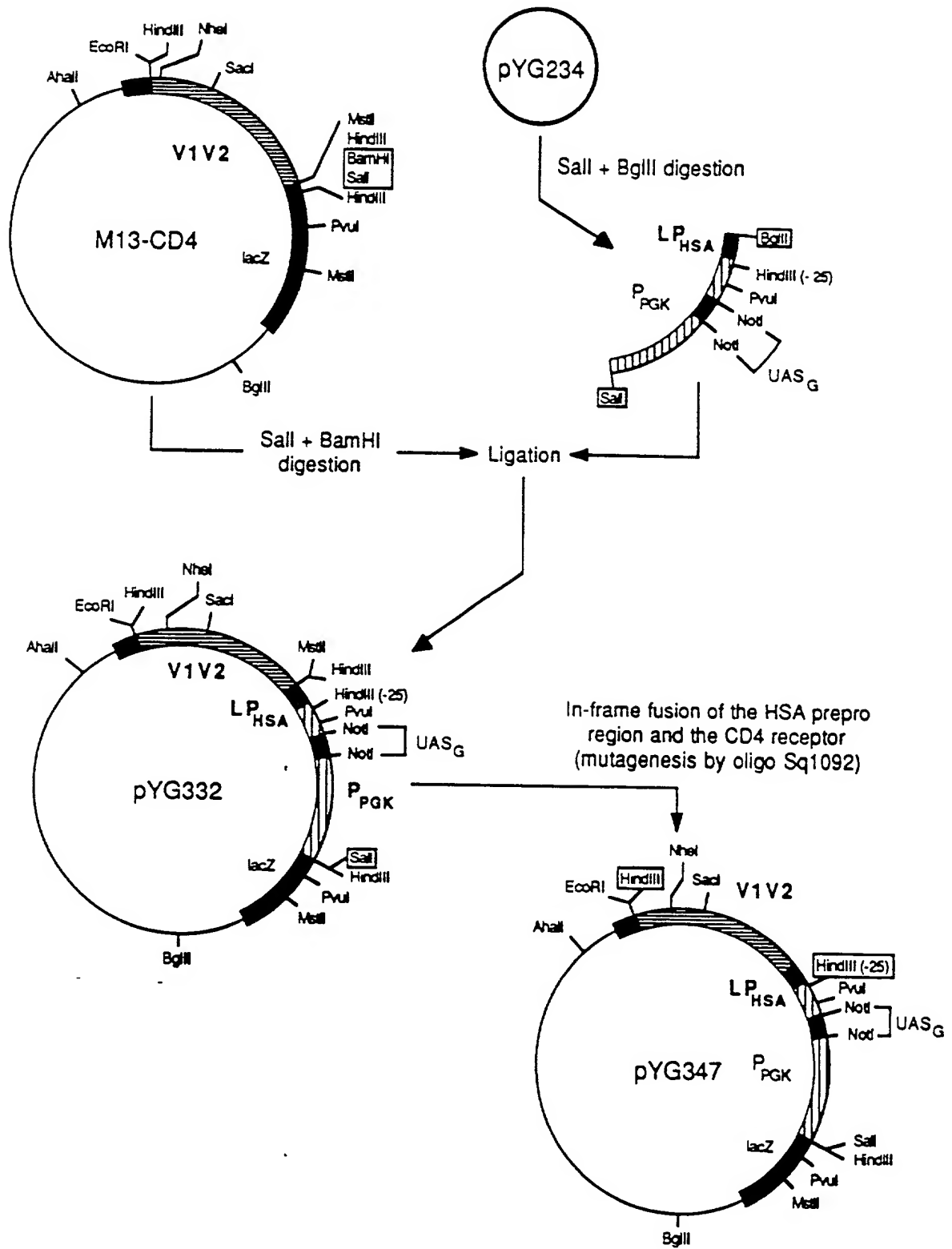


Figure 27

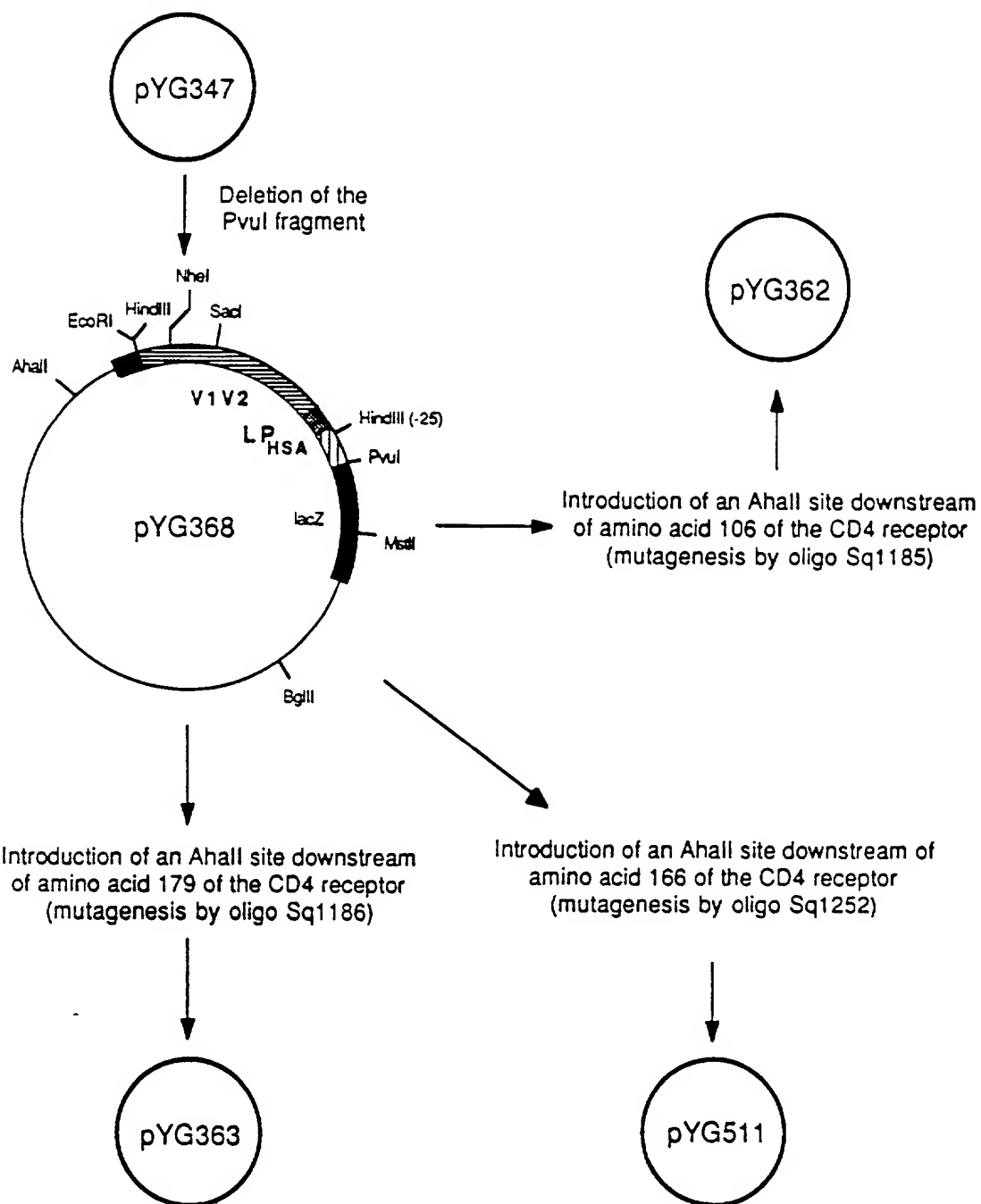


Figure 28

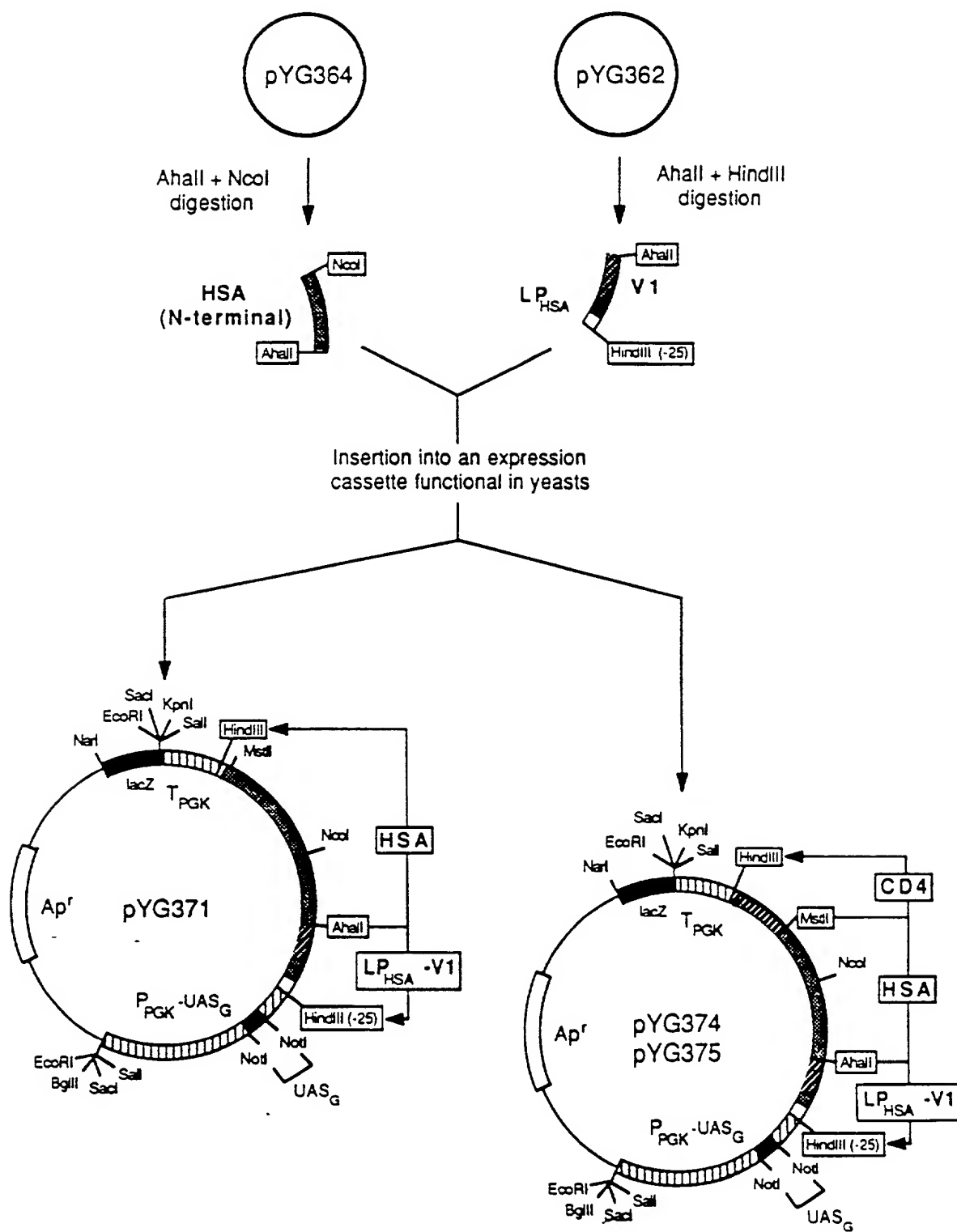


Figure 29



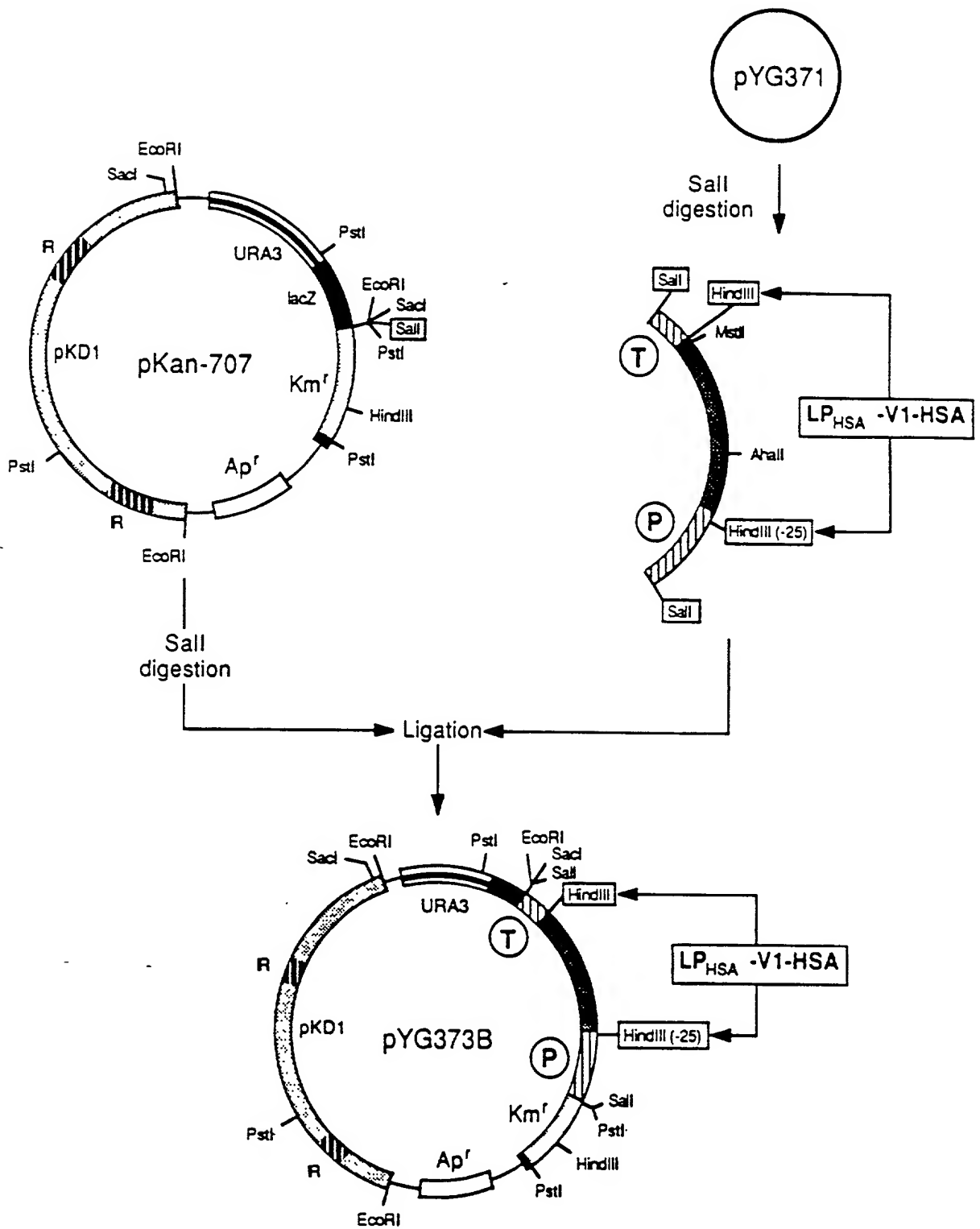


Figure 30

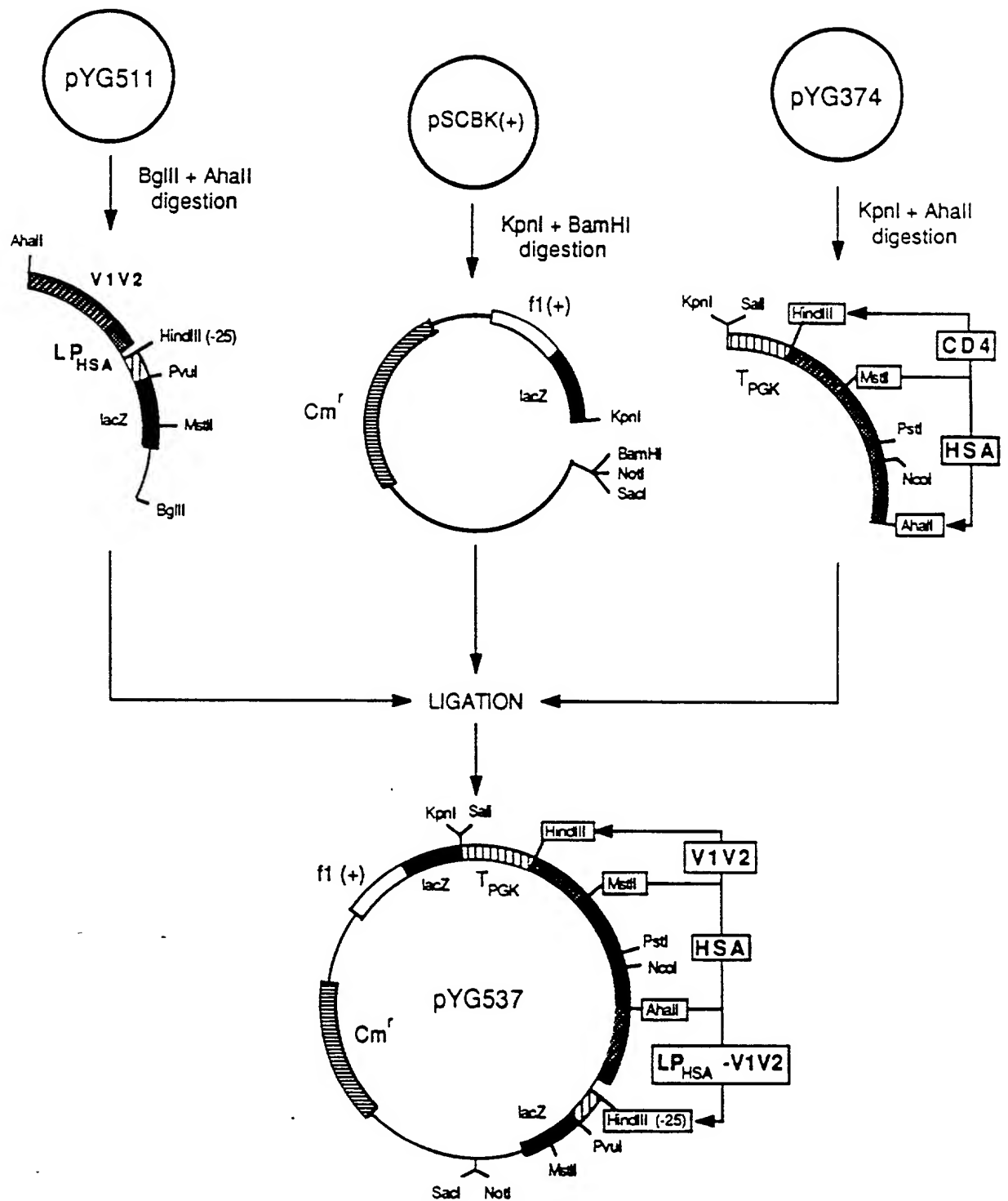


Figure 31

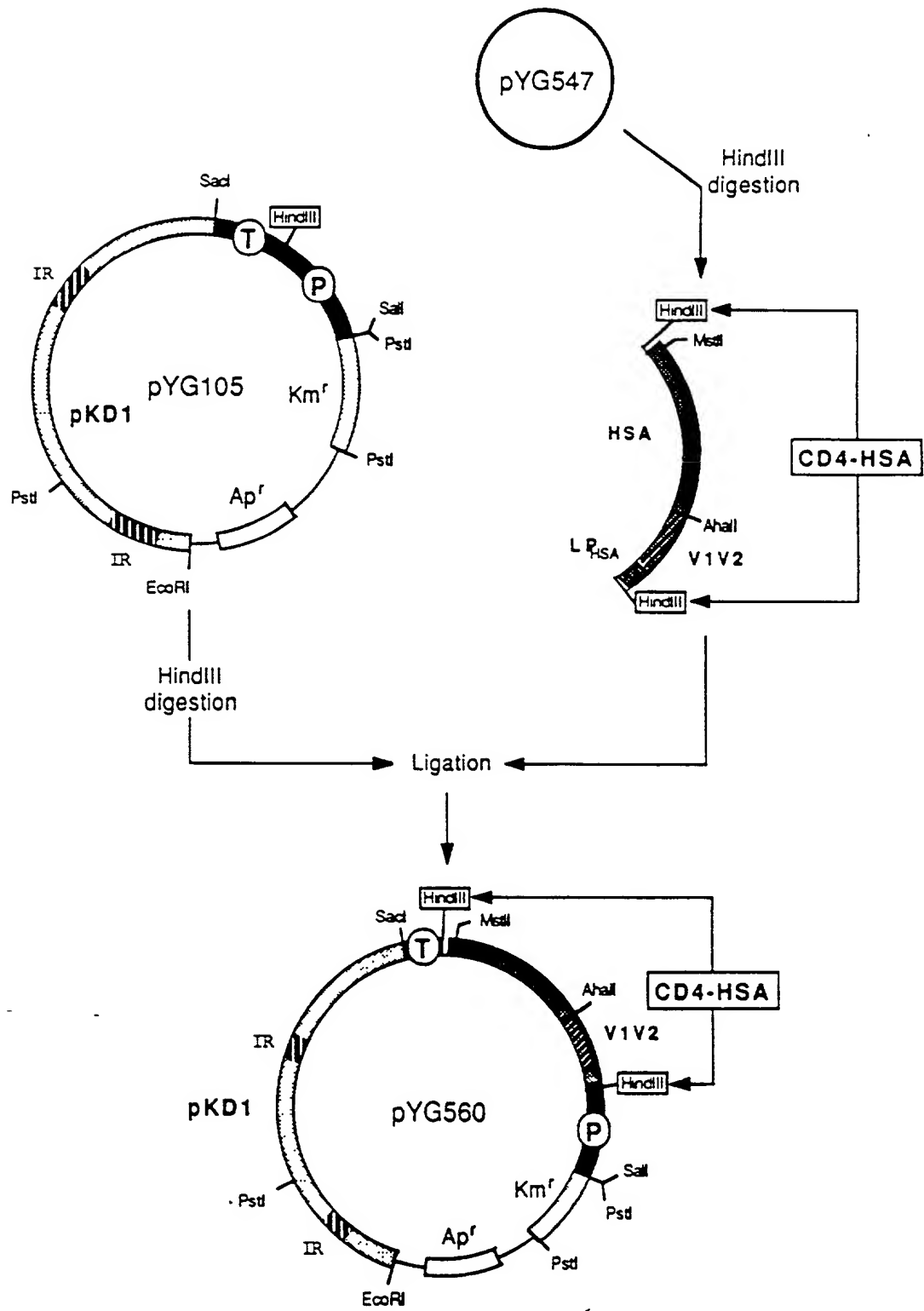


Figure 32

202510-031202

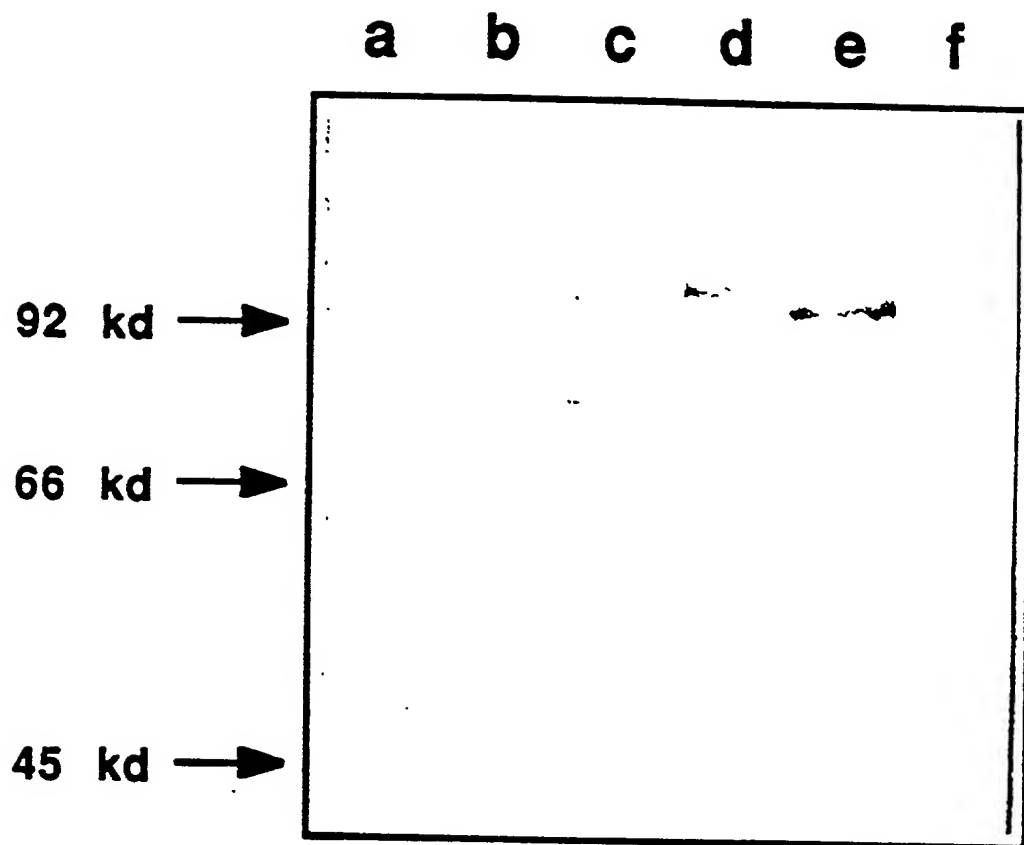
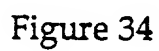


Figure 33



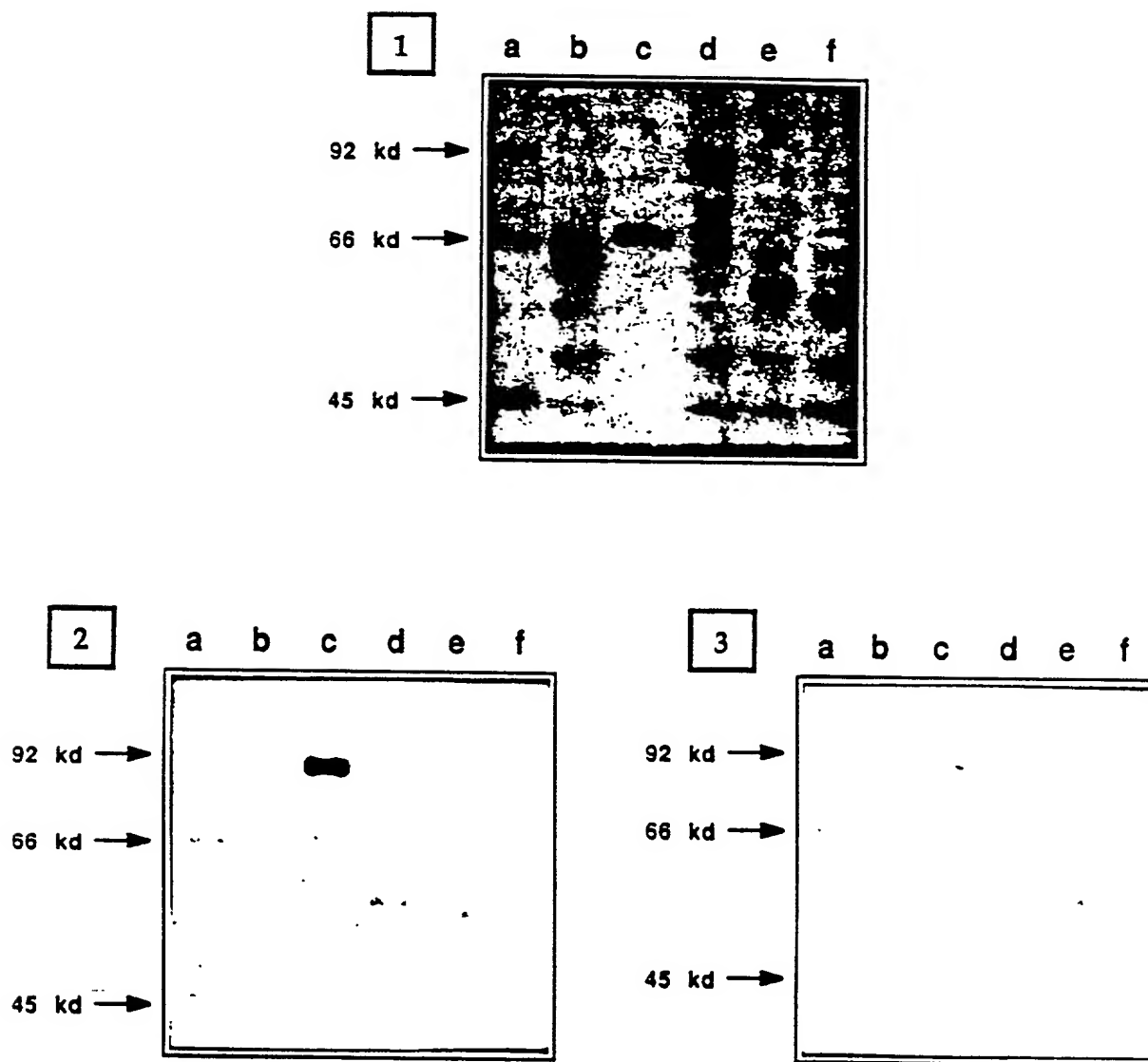


Figure 35

100340-2200

[a]	HSA (585)
	YP39 (579)
	YP60 (578)
	YP61 (577)
	YP76 (568)
	YP82 (505)
	YP63 (495)
	YP27 (478)
	YP65 (459)
	YP78 (430)
	YP92 (404)
	YP40 (379)
	YP88 (351)
	YP90 (303)
	YP70 (292)
	YP62 (272)
	YP74 (254)
	YP51 (233)
	YP86 (201)

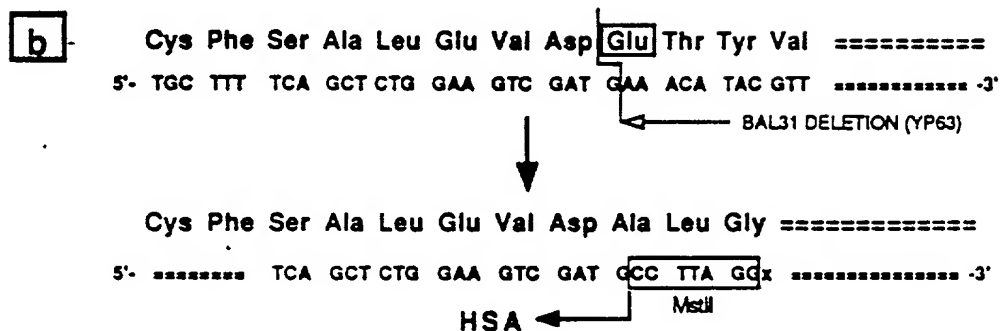


Figure 36

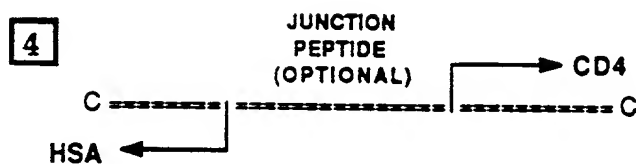
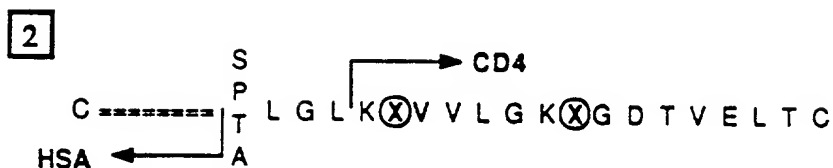


Figure 37



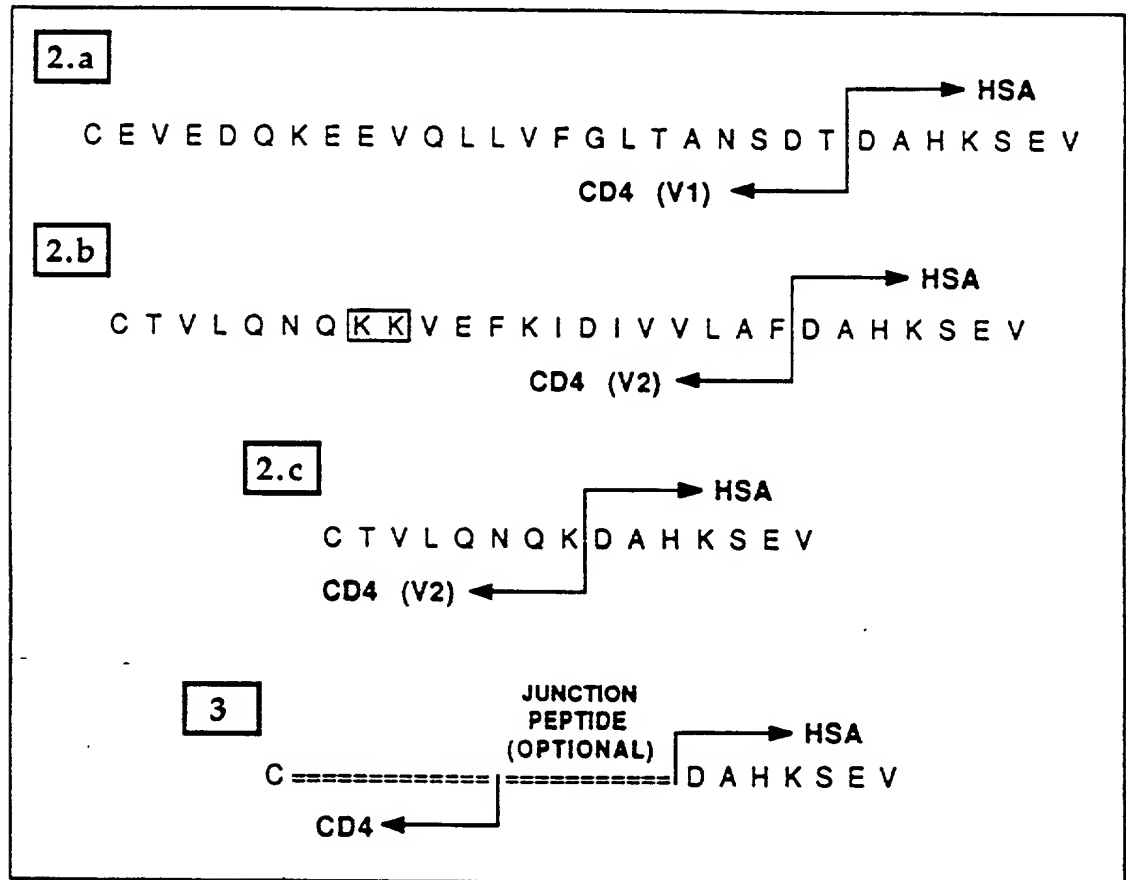
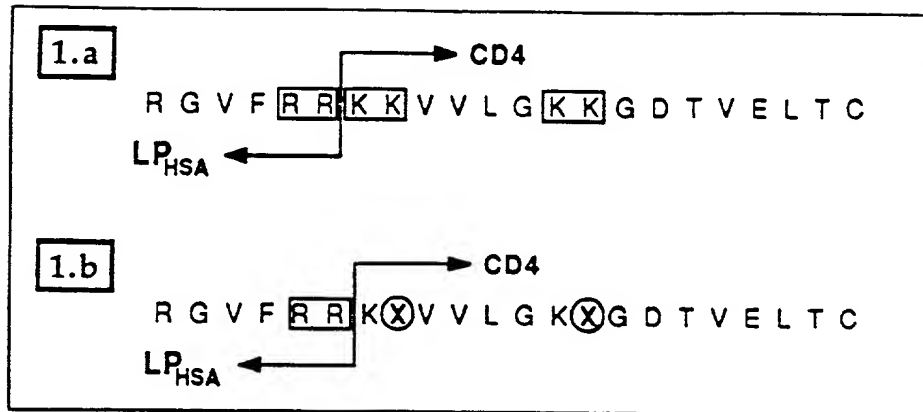


Figure 38